CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Subways, Detroit, Mich., Rapid Transit Comn. making plans, $92,211,100.

Waterworks, Illinois, Greater Chicago Lake Water Co. granted permit, $35,000,000.

Paper, plant, Campbell River, B. C., Crown Willamette Paper Co. having plans prepared, $15,000,000.

Terminals, Jersey City, N. J., New Jersey Industrial Terminals making plans, $7,000,000.

Hotel, Pittsburgh, Pa., William Penn Hotel having plans prepared, $5,000,000.

Roads and bridges, British Columbia, Dept. Pub. Wks. making plans, $4,000,000.

Sewers, Detroit, Mich., Dept. Pub. Wks. making plans, $3,900,000.

Apartment hotel, store and office, Malden, Mass., Syndicate, c/o J. S. Draper, plans 8 story building, $3,000,000.

Roads, Texas, Childress, Collingsworth and Wheeler Cos. plan 45 mi. road, $3,000,000.

Apartment, Jacksonville, Fla., Albany Hotel Apartments having plans pepared, $3,000,000.

Colleges, Tenn., State Legislature appropriated $2,500,000.

Sewer, St. Paul, Minn., Dept. Pub. Wks. making plans, $2,200,000.

Department store, Camden, N. J., Kaighn Avenue Business Men's Assn. having tentative plans prepared, $2,000,000.

Sewer, Toledo, O., authorizing ordinance passed, $1,955,000.

Apartment hotel, Chicago, Ill., H. H. Koven et al having plans prepared, $1,300,000.

Hospital, Detroit, Mich., Women's Hospital making plans, $1,250,000.

Garage, St. Louis, Mo., M. Teich and C. C. Roessler having preliminary plans prepared, $1,000,000.

Grain elevator, Port Arthur, Ont., Northern Grain Co. making plans, $1,000,000.

Bids Desired

Police Station, Chicago, Ill., Mar. 16 by Dept. Pub. Wks., $1,500,000.

Jail, Detroit, Mich., Mar. 14 by Auditors Wayne Co., $1,000,000.

Contracts

Theatre, store, hotel and office, A. Karzas to Longacre Constr. Co., $5,000,000.

Office, Albany, N. Y., State Office Site and Building Comn. to Seglin Constr. Co., $2,538,198.

Classified Index of Bids Wanted

Waterworks

Bids close		See Eng. News-Record
Feb. 28	Spindale, N. C.	Feb. 24
Mar. 1	Somerset, N. C.	Feb. 24
Mar. 1	St. Paul, Minn.	Feb. 24
Mar. 1	Delano, Calif.	Feb. 24
Mar. 1	Long Island City, N. Y.	Feb. 24
Mar. 2	Cleveland, O.	Feb. 24
Mar. 2	Raleigh, N. C.	Feb. 24
Mar. 3	Center Line, Mich. Adv. Feb. 24.	Feb. 24
Mar. 6	Glendora, Calif.	Feb. 24
Mar. 7	Clarenden, Va. Adv. Feb. 24.	Feb. 24
Mar. 7	Kinston, N. C.	Feb. 17
Mar. 7	Bottineau, N. D.	Feb. 24
Mar. 8	Hagerstown, Md. Adv. Feb. 17 and 24.	Feb. 17
Mar. 8	High Point, N. C.	Feb. 17
Mar. 9	Gowanda, N. Y. Adv. Feb. 24.	Feb. 24
Mar. 10	Massachusetts	Feb. 24
Mar. 15	Red Wing, Minn.	Feb. 17
Mar. 22	St. Louis, Mo.	Feb. 24

Sewers

Feb. 25	Wash., D. C.	Feb. 17
Feb. 28	Spring Lake, N. J. Adv. Feb. 17 and 24.	Feb. 17
Feb. 28	Detroit, Mich.	Feb. 24
Feb. 28	Syracuse, N. Y.	Feb. 24
Mar. 1	Fordson, Mich.	Feb. 24
Mar. 1	Hunter, N. Y. Adv. Feb. 3 to 24.	Feb. 10
Mar. 2	Savannah, Ga. Adv. Feb. 17 and 24.	Feb. 17
Mar. 2	Algona, Ia.	Feb. 24
Mar. 2	Cleveland	Feb. 24
Mar. 2	Brooklyn, N. Y.	Feb. 24
Mar. 3	Akron, O.	Feb. 17
Mar. 3	Chicago, Ill.	Feb. 17
Mar. 3	Asbury Park, N. J. Adv. Feb. 17 and 24.	Feb. 24
Mar. 7	St. Louis, Mo.	Feb. 17
Mar. 7	Litchfield, Minn.	Feb. 17
Mar. 8	Toronto, Ont.	Feb. 24
Mar. 8	St. Louis, Mo.	Feb. 24
Mar. 8	Nashville, Tenn. Adv. Feb. 24.	Feb. 24
Mar. 9	Fostoria, O. Adv. Feb. 10 to 24.	Feb. 10
Mar. 9	West Chester, Pa.	Feb. 17
Mar. 14	Freeport, N. Y. Adv. Feb. 17 and 24.	Feb. 17
Mar. 14	Great Notch, N. Y.	Feb. 17
Mar. 15	Toledo, O. Adv. Feb. 17 and 24.	Feb. 17
Mar. 15	Nutley, N. J. Adv. Feb. 24.	Feb. 24
Mar. 24	Akron, O. Adv. Feb. 24.	Feb. 24
Mar. 29	Toledo, O.	Feb. 24
Mar. 31	Kentucky	Feb. 24
Apr. 1	Kenmore, O.	Feb. 3

Waste Disposal

Bids close		See Eng. News-Record
Feb. 28	Highlands, N. J.	Feb. 3
Mar. 2	West New Brighton (sta. Staten Island), N. Y.	Feb. 24
Mar. 7	Bloomfield, N. J.	Feb. 10
Mar. 16	Portland, Ore.	Feb. 17

Bridges

Feb. 26	Missouri	Feb. 24
Feb. 28	Arkansas	Feb. 3
Feb. 28	Phoenixville, Pa.	Feb. 10
Mar. 1	New Rochelle, N. Y. Adv. Feb. 17 and 24.	Feb. 17
Mar. 1	Broken Bow, Neb.	Feb. 17
Mar. 2	Racine, Wis.	Feb. 17
Mar. 3	Birdsboro, Pa.	Feb. 17
Mar. 4	Wamego, Kan.	Feb. 17
Mar. 7	Tombstone, Ariz.	Feb. 17
Mar. 7	Wichita Falls, Tex.	Feb. 24
Mar. 8	St. Louis, Mo.	Feb. 24
Mar. 8	Hoquiam, Wash.	Feb. 24
Mar. 8	Shelbyville, Ind.	Feb. 24
Mar. 9	Poughkeepsie, N. Y. Adv. Jan. 27 to Feb. 24.	Jan. 27
Mar. 11	Cincinnati, O.	Feb. 24
Apr. 4	Pennsylvania Adv. Feb. 24.	Feb. 24

Railways

Mar. 21	California	Feb. 24

Streets and Roads

Feb. 25	Indianapolis, Ind.	Feb. 10
Feb. 25	Cincinnati, O.	Feb. 17
Feb. 25	Virginia	Feb. 17
Feb. 25	New York, N. Y.	Feb. 17
Feb. 25	Willimantic, Conn.	Feb. 24
Feb. 26	Missouri	Feb. 24
Feb. 28	Akron, O.	Feb. 10
Feb. 28	Northport, Ala.	Feb. 3
Feb. 28	New Jersey	Feb. 17
Feb. 28	Evansville, Ind.	Feb. 17
Feb. 28	Everett (Boston P. O.), Mass.	Feb. 24
Feb. 28	Syracuse, N. Y.	Feb. 24
Mar. 1	Alabama City, Ala.	Jan. 27
Mar. 1	St. Louis, Mo.	Feb. 17
Mar. 1	Ventura, Calif.	Feb. 17
Mar. 1	Racine, Wis.	Feb. 17
Mar. 1	Jackson, Minn.	Feb. 24
Mar. 1	Montezuma, Ia.	Feb. 24
Mar. 1	Clinton, Okla.	Feb. 24
Mar. 1	Racine, Wis.	Feb. 24
Mar. 1	Montezuma, Ia.	Feb. 24
Mar. 1	Seminole, Okla.	Feb. 24
Mar. 1	Grand Rapids, Mich.	Feb. 24
Mar. 2	Cleveland, O.	Feb. 24
Mar. 2	Emmetsburg, Ia.	Feb. 24
Mar. 2	Estherville, Ia.	Feb. 17
Mar. 2	Cincinnati, O.	Feb. 24
Mar. 2	Brooklyn, N. Y.	Feb. 24
Mar. 2	St. George, N. Y.	Feb. 24
Mar. 2	New York, N. Y.	Feb. 24
Mar. 3	Wisconsin	Feb. 24

Bids close		See Eng. News-Record
Mar. 3	Long Island City, N. Y.	Feb. 24
Mar. 4	Pennsylvania Adv. Feb. 17 and 24.	Feb. 17
Mar. 4	Anamosa, Ia.	Feb. 24
Mar. 4	Pennsylvania	Feb. 24
Mar. 4	Cincinnati, O.	Feb. 24
Mar. 4	Texarkana, Ark.	Feb. 24
Mar. 7	San Diego, Calif.	Feb. 24
Mar. 7	Brookville, Ind.	Feb. 24
Mar. 7	Ontario	Feb. 17
Mar. 7	Fowler, Ind.	Feb. 17
Mar. 7	New Jersey Adv. Feb. 17 and 24.	Feb. 17
Mar. 8	Plymouth, Ind.	Feb. 17
Mar. 8	Vincennes, Ind.	Feb. 24
Mar. 8	Princeton, Ind.	Feb. 24
Mar. 8	South Dakota	Feb. 24
Mar. 8	Maryland Adv. Feb. 24.	Feb. 24
Mar. 8	Monticello, Ind.	Feb. 24
Mar. 8	Washington	Feb. 24
Mar. 8	South Dakota	Feb. 24
Mar. 9	Shelbyville, Ind.	Feb. 24
Mar. 9	Indiana	Feb. 24
Mar. 9	Highland, N. Y. Adv. Feb. 17 and 24.	Feb. 17
Mar. 9	Freehold, N. J. Adv. Feb. 24.	Feb. 24
Mar. 10	De Land, Fla.	Feb. 24
Mar. 14	Houston, Tex. Adv. Feb. 17 and 24.	Feb. 17
Mar. 15	Duluth, Minn.	Feb. 3
Mar. 15	Minot, N. D.	Jan. 13
Mar. 15	Birmingham, Ala.	Feb. 17
Mar. 15	St. Louis, Mo.	Feb. 17
Mar. 15	Pattenburg, N. J.	Feb. 17
Mar. 15	Birmingham, Ala.	Feb. 24
Mar. 16	Delaware	Feb. 24
Mar. 31	Kentucky	Feb. 24
Apr. 1	Kentucky	Feb. 17
Apr. 1	Birmingham, Ala.	Feb. 24
Apr. 15	Canton, O.	Feb. 3
May 1	Duluth, Minn.	Feb. 24

Buildings—Commercial

Feb. 25	New York, N. Y.	Feb. 17
Feb. 28	Davenport, Ia.	Feb. 17
Feb. 28	South Bend, Ind.	Feb. 10
Feb. 28	Detroit, Mich.	Feb. 24
Mar. 1	Ft. Wayne, Ind.	Feb. 17
Mar. 2	Baltimore, Md.	Feb. 17
Mar. 2	New Haven, Conn.	Feb. 17
Mar. 3	Raybrook, N. Y. Adv. Feb. 24.	Feb. 17
Mar. 3	San Antonio, Tex.	Feb. 24
Mar. 7	Crown Point, Ind.	Feb. 10
Mar. 9	Columbus, O.	Feb. 17
Mar. 10	East Chicago, Ind.	Feb. 17
Mar. 14	Detroit, Mich.	Feb. 24
Mar. 15	Rochester, N. Y.	Feb. 3
Mar. 15	Birmingham, Ala.	Feb. 17
Mar. 15	Dallas, Tex.	Feb. 10
Mar. 16	Chicago, Ill.	Feb. 24
Apr. 1	Wilmington, Del.	Jan. 27
Apr. 1	Canton, O.	Jan. 20

See proposal advertising on page 138

TRADE "LEADITE" MARK

Registered U. S. Pat. Office

Laying 20-in. c.i. bell and spigot water main across Schuylkill River with LEADITE joints.

Speed— Pipe Laying

Thousands of miles of cast iron water mains have been laid with LEADITE by large cities, towns, villages, railroads, mines, and industrial plants.

These pipe lines are laid under paved streets, under and over bridges, under railroad tracks, across streams, thru open country, in filter galleries—high and low pressures—under all conditions of water works construction.

This is the way some LEADITE users lay pipe:

1710 ft. 6 in. pipe laid in one day.
1665 ft. 6 in. pipe laid in 7½ hrs. with 6 men.
91 lengths 20 in. pipe laid in one day.
15 to 19 lengths 48 in. pipe laid in one day—laid one length in 7 minutes.
3860 ft. 6 in. and 8 in. pipe laid in 9 hrs. with 2 gangs.

You can do this.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking Material for c.i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close		See Eng. News-Record
Apr. 1	New Castle, Pa.	Feb. 17
Apr. 30	Louisville, Ky.	Feb. 17
May 1	La Junta, Colo.	Feb. 3

Buildings—Industrial

Mar. 15	Dover, O.	Feb. 17

Buildings—Educational, Religious

Feb. 25	Akron, O.	Jan. 27
Feb. 25	Norristown, Pa.	Feb. 17
Feb. 26	Dover (br. Cleveland), O.	Feb. 17
Feb. 28	Geneva, N. Y.	Feb. 17
Feb. 28	Grass Lake, Mich.	Feb. 17
Feb. 28	Plymouth, Mich.	Feb. 24
Mar. 1	Chagrin Falls, O.	Feb. 17
Mar. 1	Ruston, La.	Feb. 17
Mar. 1	Royal Oak (Ind. br. Detroit), Mich.	Feb. 24
Mar. 1	Phila., Pa.	Feb. 24
Mar. 2	Baton Rouge, La.	Feb. 17
Mar. 2	Minneapolis, Minn.	Feb. 24
Mar. 3	Pontiac, Mich.	Feb. 24
Mar. 3	Amarillo, Tex.	Feb. 24
Mar. 3	Miamisburg, O.	Feb. 24
Mar. 3	Brooklyn, N. Y.	Feb. 10
Mar. 3	Amarillo, Tex.	Feb. 24
Mar. 7	Santa Barbara, Calif.	Feb. 17
Mar. 8	Aberdeen, S. D.	Feb. 17
Mar. 8	Columbus, O.	Feb. 17
Mar. 8	Hamden (br. New Haven), Conn.	Feb. 24
Mar. 12	Versailles, O.	Feb. 17
Mar. 12	Lakewood (br. Cleveland), O.	Feb. 24
Mar. 14	Shaker Heights (br. Cleveland), O.	Feb. 24
Mar. 15	Louisville, Ky.	Feb. 3
Mar. 15	Zanesville, O.	Feb. 3
Mar. 15	Marysville, O.	Feb. 17
Mar. 16	San Francisco, Calif.	Feb. 17
Mar. 16	Akron, O.	Feb. 24
Mar. 17	Fresno, Calif.	Feb. 24
Mar. 20	Gardner, Mass.	Feb. 17
Apr. 1	Virginia, Minn.	Feb. 3
May 1	Monroe, Mich.	Jan. 13

Federal Government Work

Feb. 25	Post Office—Lewistown, Pa.	Feb. 3
Feb. 25	Removing Wreck—Buzzards Bay, Mass.	Feb. 10
Feb. 25	Louisville, Ky. Adv. Feb. 24.	Feb. 17
Feb. 26	Dynamometer Building—Dayton, O.	Feb. 3
Feb. 28	Post Office—Athens, Tenn.	Feb. 3
Feb. 28	Heating System—Galveston, Tex.	Feb. 10

Bids close		See Eng. News-Record
Mar. 1	Hospital—Bedford, Mass.	Jan. 27
Mar. 1	Deep Wells—Northport, N. Y.	Feb. 17
Mar. 2	Elevators—Mare Island, Calif.	Jan. 27
Mar. 3	Storehouse—Boston, Mass.	Feb. 3
Mar. 4	Pipe Line—Wash., D. C. Adv. Feb. 10 to 24.	Feb. 10
Mar. 7	Post Office—Winchester, Mass.	Feb. 17
Mar. 8	Roofing, etc.—Norfolk, Va.	Feb. 17
Mar. 8	Tank and Tower—Maywood, Ill.	Feb. 17
Mar. 9	Lock—Pittsburgh, Pa. Adv. Feb. 10 to 24.	Feb. 10
Mar. 9	Transmitting Station—Lakehurst, N. J.	Feb. 17
Mar. 10	Scout Cruisers, etc.—Wash., D. C.	Dec. 30
Mar. 10	Dredging—Albany, N. Y. Adv. Feb. 10 to 24.	Feb. 10
Mar. 11	Post Office—Globe, Ariz.	Feb. 17
Mar. 15	Turbine, etc.—Denver, Colo.	Feb. 17
Mar. 15	Dwellings—Edgewood, Md. Adv. Feb. 17 and 24.	Feb. 24
Mar. 16	Buildings, etc.—San Diego, Calif.	Jan. 27
Mar. 16	Water Purification Plant—Darien, C. Z. Adv. Feb. 17 and 24.	Feb. 17
Mar. 16	Post Office—Mt. Carmel, Ill.	Feb. 17
Mar. 16	Gates—Pittsburgh, Pa. Adv. Feb. 17 and 24.	Feb. 17
Mar. 16	Perforating Casing — Keyport, Wash.	Feb. 17
Mar. 18	Dredging—Albany, N. Y. Adv. Feb. 17 and 24.	Feb. 17
Mar. 22	Post Office—Mt. Claire, N. J. Adv. Feb. 24.	Feb. 24
Mar. 22	Machinery, etc.—Louisville, Ky. Adv. Feb. 24.	Feb. 24

Unclassified

Feb. 25	Special Work — Brooklyn, N. Y.	Feb. 17
Feb. 25	Subsurface Structures—New York, N. Y.	Feb. 17
Feb. 28	Switches and Crossings—Phila., Pa.	Feb. 24
Mar. 1	Baffle Walls—Montezuma, Ia.	Feb. 24
Mar. 1	Culvert—Brooklyn, N. Y.	Feb. 24
Mar. 1	Parks—New York, N. Y.	Feb. 24
Mar. 2	Refrigeration Equipment — Creedmoor (mail Floral Park), N. Y.	Feb. 3
Mar. 2	Foundation—Boston, Mass.	Feb. 17

Bids close		See Eng. News-Record
Mar. 2	Exit Facilities, etc.—Buffalo, N. Y. Adv. Feb. 24.	Feb. 24
Mar. 3	Pier—Brooklyn, N. Y.	Feb. 24
Mar. 3	Playground—Long Island City, N. Y.	Feb. 24
Mar. 4	Subway—New York, N. Y.	Feb. 24
Mar. 10	Refrigeration Unit—New York, N. Y. Adv. Feb. 24.	Feb. 24
Mar. 11	River Terminal, Dubuque, Ia.	Feb. 17
Mar. 15	Transit Shed—Mobile, Ala.	Feb. 24
Mar. 16	Exit Facilities, etc.—Poughkeepsie, N. Y. Adv. Feb. 24.	Feb. 24
Mar. 16	Exit Facilities, etc.—Ogdensburg, N. Y. Adv. Feb. 24.	Feb. 24
Mar. 23	Refrigeration Plant—Middletown, N. Y. Adv. Feb. 24.	Feb. 24

Materials

Feb. 25	Wood Block, Slag, Brooms, etc.—Cleveland, O.	Feb. 17
Feb. 28	Fuel Oil, etc.—Chicago, Ill.	Feb. 24
Feb. 28	Road Oil—Marshfield, Wis.	Feb. 17
Feb. 28	Supplies—Hamilton, Ont.	Feb. 17
Mar. 1	Tar, Asphalt, etc.—Iowa	Feb. 3
Mar. 1	Lead, Pipe, etc.—Toledo, O.	Feb. 24
Mar. 1	Pipe—St. Paul, Minn.	Feb. 24
Mar. 1	Paving Materials—St. Paul, Minn.	Feb. 24
Mar. 2	Fire Alarm, Cable, etc.—Chicago, Ill.	Feb. 24
Mar. 2	Paving Brick, Asphalt, Crack Filler, Granite, etc. —Cleveland, O.	Feb. 17
Mar. 2	Fuel Oil—New York, N. Y.	Feb. 24
Mar. 3	Lumber—Bedford, Ia.	Feb. 17
Mar. 3	Brick, etc.—Akron, O.	Feb. 24
Mar. 3	Steel Rails—Detroit, Mich.	Feb. 24
Mar. 3	Lime—Long Island City, N. Y.	Feb. 24
Mar. 4	Crushed Stone—Detroit, Mich.	Feb. 24
Mar. 4	Chlorine—Akron, O.	Feb. 24
Mar. 7	Special Castings—Akron, O.	Feb. 24
Mar. 8	Lumber, etc.—Bedford, Ia.	Feb. 24
Mar. 11	Bituminous Material, etc.—Albany, N. Y. Adv. Feb. 24.	Feb. 24
Mar. 15	Gasoline, Kerosine, etc.—Iowa Adv. Feb. 24.	Feb. 24
Mar. 15	Pump and Motor—Sea Girt, N. J. Adv. Feb. 24.	Feb. 24

News of the Week

Waterworks

Proposed Work

Mass., Townsend—Making surveys new waterworks. To exceed $15,000. Parker, Bateman & Chase, 28 High St., Clinton, engrs.

Conn., Meriden—Making plans 2,000 ft. 6 in. mains in East Main St., 4,500 ft. 12- and 16-in. in Kensington Ave., and 3,000 ft. 6 in. in North Colony Rd. $25,000. C. P. Prann, city engr.

N. C., Raleigh—Soon takes bids auxiliary water supply, incl. 7 mi. c.i. pipe line from Swift Creek, clearing reservoir site, and pumping equipment, etc. $325,000. W. C. Olsen, Raleigh, engr.

La., Monroe—Making plans waterworks. $600,000. Burns & McDonald Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs. Noted Feb. 10.

O., Cleveland—Making preliminary plans 150 m.g. pumping station and filtration plant. A. L. Quayle, 211 City Hall, mechanical engr.

Illinois—Greater Chicago Lake Water Co., granted permit from Illinois State Commerce Comn., T. M. Dolan, secy., to pump Lake Michigan water to towns within radius 38 mi. of Chicago city limits supplying towns of Chicago Heights, Joliet, Elgin and Lake Forest. Two plans are under consideration, (1) constructing crib in lake off 22nd St. and drilling tunnel in solid rock 160 ft. below street level to Harlem Ave. where pumping station and filtration plant would be built, (2) constructing crib off Glencoe and drilling tunnel 2 or 3 mi. along directly west. $35,000,000. S. M. Savage, 33 South Clark, St., Chicago, engr.

Ia., Iowa City—Plans waterworks improvements, incl. 400,000 gal. reservoir, high and low pressure pump, etc. $75,000.

Neb., Brainard—Made plans multi-stage centrifugal pump, 125 g.p.m., 15 kva. single phase motor, distribution system. $20,000 bonds voted. Fulton Letton, 525 South 13th St., Lincoln, engrs. Noted Feb. 3.

Tex., Pt. Neches—Making plans and takes bids in March or April, waterworks extensions into outlaying districts, etc. $40,000. G. O'Neil, 2906 Maple St., Dallas, engr.

Okla., Bartlesville—Made plans waterworks improvements, incl. new c.i. pipe, pumping equipment, machinery, etc. $100,000. Burns & McDonell Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs. Noted Sept. 2.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Okla., Hayward—Made preliminary plans new waterworks. $20,000. C. Myers, mayor. Engineer not selected.

Okla., Sharon—Making preliminary surveys new waterworks, incl. well, pump, tanks, mains, etc. $18,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Wakita — Making preliminary plans new waterworks. $20,000. G. Humphrey, mayor. Engineer not selected.

Okla., Wewoka—Made preliminary plans new 400 hp. Diesel engine and generator for city pumping station. $35,000. D. Fraser, city clk. Engineer not selected.

Ariz., Tucson—Making plans new waterworks. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

Calif., Burbank—Plans pumping plants, pipe lines and reservoirs. $150,000. T. R. Mini, city engr.

Calif., Inglewood—City plans purchasing 5,000 ft. 4 in. and 6,000 ft. 6 in. c.i. bell and spigot pipe. O. H. Duelke, city clk.

Calif., South San Francisco—City plans purchasing 12 or more fire hydrants of 2½ in. outlets or four 1½ in. engine connections, 6 in. barrels, and 6 in. gated connections. D. McSweeney, city clk.

Ont., Hamilton—Making plans metering water distribution system, incl. additional flow meters. $25,000-$50,000. W. L. McFaul, City Hall, engr.

Ont., Toronto — Plans extending water distribution system, incl. mostly 6 in. c.i. mains, hydrants, valves, service boxes, service connections, etc. $78,657. R. C. Harris, City Hall, engr.

Ont., Windsor — Essex Border Utilities Comn., Murray Bldg., plans filtering unit approximately 15 m.g.p.d., pumps, motors, piping, valves, etc. $750,000. J. C. Keith, Windsor, engr.

Bids Desired

Massachusetts—Mar. 10, by Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, 13,300 lin.ft. 54 in. steel mains, etc. in Boston and Brookline. W. E. Fuss, 1 Ashburton Pl., Boston, dir. Water Div.

Mass., Somerset—Mar. 1, by Water Supply Comn., constructing 2 standpipes (2

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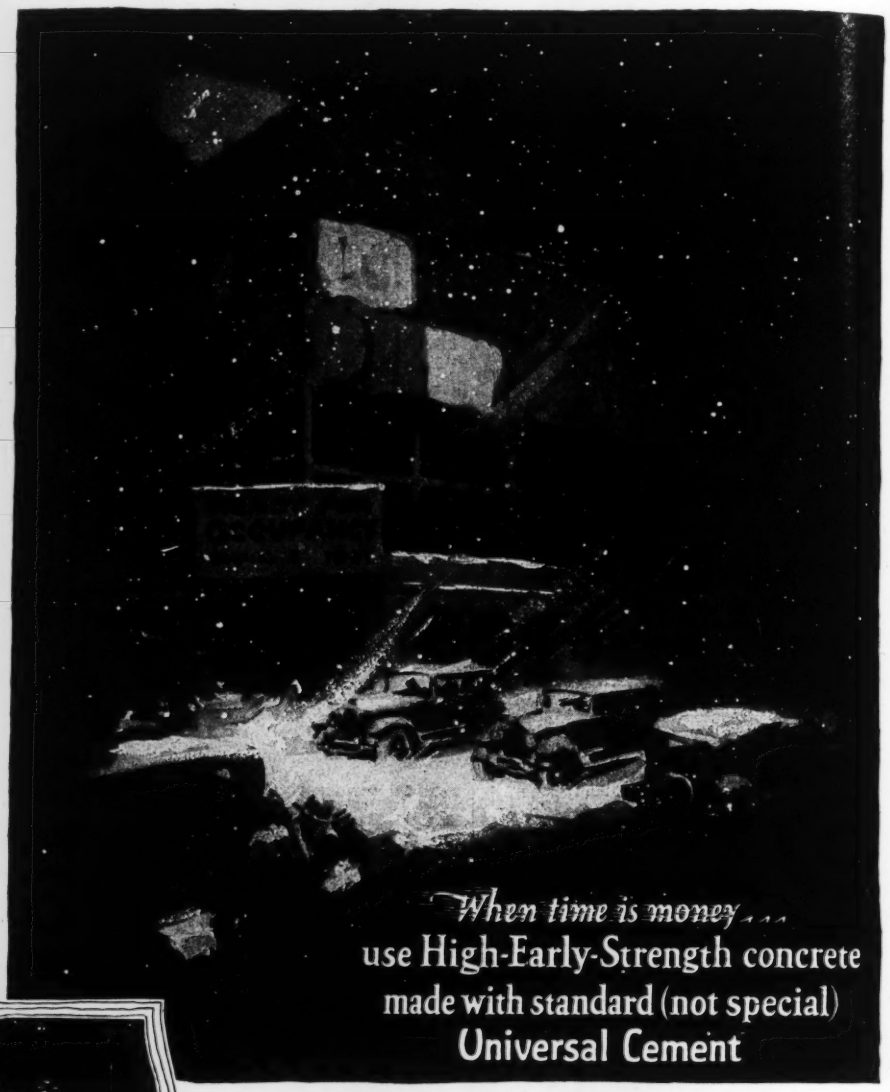

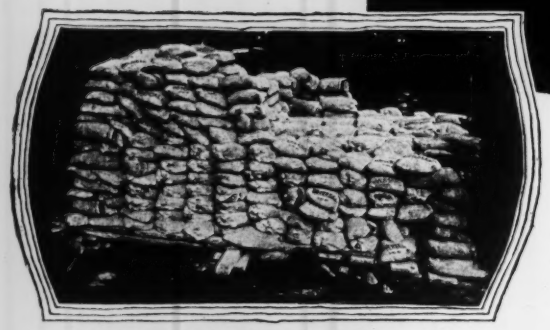

High-Early-Strength *Universal* Concrete is made by using fully tested methods and the same quality of standard *Universal* (not special) cement as used in ordinary construction.

You Can Obtain High-Early-Strength Concrete With Standard *Universal* Cement

High-Early-Strength Concrete does *not* involve the use of a *special* cement at an *additional* cost.

High-Early-Strength Concrete is made by using thoroly tested methods and STANDARD *Universal* cement, which, being *standard*—not special—sells at the regular price. It is the same quality *Universal* as used in ordinary construction.

In 3 *days*, High-Early-Strength *Universal* Concrete has a strength equal to or better than ordinary concrete in *28 days*. It is permanently *better* and *stronger* than ordinary concrete. It is being used on all types of jobs. The accompanying coupon will bring full details promptly on the thoroly tested methods to use for obtaining *strong* concrete in 3 *days*.

UNIVERSAL PORTLAND CEMENT CO.
210 South La Salle Street, Chicago.

Without obligation, please send me detailed information on methods for securing strong concrete in 3 days with standard *Universal* [not special] cement, the same quality *Universal* regularly used.

Name .....

Address .....

ENR 2-24-27

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

Waterworks (Continued)

contracts), and laying water pipes in 3 sections of distribution system (3 contracts). To exceed $15,000. F. A. Barbour, 1119 Tremont Bldg., Boston, engr. Noted Feb. 3.

N. Y., Gowanda — Mar. 9, by Dept. Mental Hygiene, Albany, water supply for State Homeopathic Hospital, here. L. M. Farrington, secy.; adv. E. N.-R. Feb. 24.

N. Y., Long Island City—Mar. 1, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in 26th and 47th Aves., 51st and 66th Rds., Van Dam, 9th, 34th, Colden, 168th and Gray Sts., etc.

Va., Clarenden—Mar. 7, by Bd. Supervs. Arlington Co., 80,000 ft. 8- to 24-in. c.i. pipe, etc. A. E. Phillips, 2525 Pennsylvania Ave., Wash., D. C., ch. engr.; adv. E. N.-R. Feb. 24.

N. C., Raleigh—Mar. 2, by Mayor and City Commissioners, 7 mi. 24 in. c.i. mains, 25 tons special castings, sundry gate, check, air and pressure relief valves and venturi meter, 2 motor driven pumping units with starting equipment and appurtenances. W. C. Olsen, Raleigh, engr.

N. C., Spindale—Feb. 28, by S. E. Elmore, mayor, and Bd. City Comrs., improving water supply, incl. 10,000 lin.ft. 16 in. c.i. pipe, and 22,000 lb. c.i. specials, etc. Carolina Eng. Co., 917-919 Johnston Bldg., Charlotte, engrs.

O., Cleveland—Mar. 2, by Cuyahoga Co., 26,000 ft. 12 and 16 in. c.i. mains in Lorain Rd., Impvt. 760. F. Williams, Court House, engr.

Mich., Center Line—Mar. 3, by Village, A. Weigand, clk., furnishing c.i. pipe, fittings and hydrants, laying and testing water mains, gates, wells and blow-offs, Contrs. A, B, C, D, E, and F; adv. E. N.-R. Feb. 24.

Mich., Pontiac—H. A. Maurer, city clk., taking bids twelve 4 in., one hundred thirty-four 6 in., twenty-seven 8 in., thirty-six 12 in. and eighteen 16 in. gate valves and valve boxes, also eighty-five 6 in. fire hydrants and valve boxes, for waterworks extension.

Minn., St. Paul—Mar. 1, by A. E. Eggert, city purch. agt., 1,250 cold water meters for Water Dept. G. M. Shepard, city engr.

N. D., Bottineau—Mar. 7, by City, waterworks improvements, 16,664 lin.ft. 8 in. and 1,758 lin.ft. 6 in. c.i. mains, five 6 in. and fifteen 8 in. gate valves, ground water collection works, brick gallery, surface dams and well. $40,000. E. J. Thomas & R. M. Stee, Minot, engrs. Noted Jan. 13.

Mo., St. Louis — Mar. 22, by Bd. Pub. Serv., 208 City Hall, 600 ft. hurdle dikes in Missouri River, on St. Charles Co. side near Howards Bend Waterworks Station. $25,000. J. Pritchard, dir. Noted Jan. 27.

Calif., Carmichael—L. C. Sears, secy. Carmichael Irrigation Dist., Route 5, Box 1215, Sacramento, taking bids ½ mi. 6 in. and ¾ mi. 4 in. wood or steel pipe.

Calif., Delano—Mar. 1, by H. A. Bower, clk. Delano Joint Union High School Dist., one 15 hp. pump and motor.

Calif., Glendora—Mar. 8, by F. Long, city clk., 1,650 ft. 12 in. and 300 ft. 6 in. Class "B" c.i. water pipe.

Calif., Riverside — City Council taking bids 12 m.g. reservoir in Iowa Ave., 27,000 cu.yd. excav., 98,000 sq.ft. gunite lining, 90,000 sq.ft. roofing. E. R. Bowen, Central Bldg., Los Angeles, engr.

Bids Received

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Surf Ave., from Riverdale Water Works Corp., 355 East 113th St., New York City, $31,999; and in 39th Pl., from Grippo Contg. Co., 85 Webster Ave., Long Island City, $6,979. Noted Feb. 10.

Contracts Awarded

Miss., Leland — Town, J. H. O'Quinn, town clk., boring and equipping deep well, to Layne-Central Co., Chelsea St., Memphis, Tenn., $7,000. Noted Jan. 27.

O., Beachwood (br. Cleveland)—Village, 2½ mi. 12 in. c.i. mains in Richmond Rd., to Joseph Co., Prospect-Fourth Bldg., Cleveland, $62,000. Noted Feb. 17.

Ia., Nevada — New 2,800 ft. well, also repairing and recasting present well, to Thorpe Bros. Well Co., Des Moines, $25,905 and $8,000 respectively.

Mo., Mansfield—C. A. Stephens, city clk., City Hall, waterworks, to J. O'Neil, Leavenworth, Kan., $30,577.

Mo., St. Louis—See "Streets and Roads."

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, standard gauge railroad switch between Missouri River Waterworks Sta. and point near settling basin and coagulation plant, to Industrial Track Constr Co., Title Guaranty Bldg., $7,606. Engrs. est. $11,000. Noted Feb. 17.

Ark., Marianna—Deep well, 600 ft. deep, 18 in. diam., to Layne-Bowler Co., Chelsea St., Memphis, Tenn. Noted Aug. 19.

Tex., Amarillo—Pumping station, storage reservoir, 1,000 ft. c.i. pipe, at Amarillo Lake, Word Ranch, 19 mi. southwest of here, to Spotts & Malcomb, Loveland, Ohio, $163,000. Engrs. est. $200,000. Noted Jan. 27.

Okla., Enid—For 15,200 ft. 4 in. and 11,600 ft. 6 in. c.i. mains, etc. in various streets, to W. F. Plummer Corp., Union Natl. Bank Bldg., Springfield, Mo., $30,982.

Okla., Webb City—New water works, 15,820 ft. 4- to 8-in. pipe, etc., to Gallamore Constr. Co., Cushing, $53,820. Engrs. est. $55,000. Noted Nov. 18.

Sewers

Proposed Work

N. J., Barrington—Barrington Boro making tentative plans sewage disposal plant. $300,000. Albertson & Hammond, Barrington, engrs.

O., Toledo—Passed ordinance authorizing and directing Director Pub. Serv. to enter into contract or contracts for engineering services for construction intercepting sewers, sewage disposal works, and sewage pumping stations. $1,955,000.

O., Willowick—Village plans constructing sanitary sewers in Lake Shore Blvd., also Brookwood and East Shore Allotments, and storm and sanitary sewer in Permanent Homes Allotment, 11,000 ft. 15- to 30-in. vitr.; 1,000 ft. 30- to 48-in. segmental block or concrete, and 4 mi. tile pipe. $400,000. Sterling Eng. Co., 7016 Euclid Ave., Cleveland, engr.

Mich., Detroit—Dept. Pub. Wks., making preliminary plans diverting Connors Creek along Freud Ave. and converting it into concrete conduit, 17½ ft. wide x 20 ft. deep, also highway along drain above closed conduit. $3,900,000. P. A. Fellows, City Hall, city engr.

Wis., Racine—City, c/o O. G. Jensen, clk., rejected bids Jan. 25, 1,600 lin.ft. 24 in. sewers in various streets; also sewage disposal plant. $35,000. Will readvertise. J. H. A. Brahtz, 212 Builders Exch. Bldg., St. Paul, Minn., engr. Noted Dec. 20.

Minn., St. Paul—Dept. Pub. Wks. making plans Kitsondale Sewer, largely rock tunnel work. $2,200,000. G. M. Shepard, city engr.

Tex., Dalhart—Takes new bids about Mar. 10, reconstructing sewage disposal plant. $25,000. Devlin Eng. Co., 127 Central Bldg., Amarillo, engrs.

Tex., San Antonio—Soon takes bids concrete or vitr. sewers in East End and Jefferson Heights. $175,000. I. Ewig, city engr. Noted Jan. 13.

Tex., Wichita Falls — Making plans sewers in Scotland and Curlee additions and in alley between 9th and 10th Sts. $60,000. F. M. Rugeley, Wichita Falls, engr.

Okla., Moore—Election Feb. 24, $28,000 bonds, new sewerage system, incl. 20,400 ft. 6- to 12-in. pipe, septic tank, etc. Gnatt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Wash., Olympia — Making preliminary plans 2,700 ft. 6 in. diam. 500 ft. 30 in. diam. rein.-con. outfall sewers in various streets. $75,000. C. I. Signer, city engr.

Wash., Walla Walla—Making plans sewage disposal plant. $175,000. W. Rehorn, city engr. Pearse, Greeley & Hansen, 6 North Michigan Blvd., Chicago, Ill., consult. engrs.

Calif., Inglewood — Made plans sewers from Arbor Vitae to Pine St. and between Hawthorne and Inglewood Aves. To exceed $30,000. W. Peffer, city engr.

Calif., Inglewood—Plans 3,546 ft. 8 in. vitr. sewer in Impvt. Dist. 1, and 28,468 ft. 6 and 8 in. in Dist. 2. W. Peffer, city engr.

Calif., Los Angeles—Plans sewer in Newdale Ave. between east terminus and Talmadge St. To exceed $25,000. J. Shaw, city engr.

Calif., Los Angeles—Plans 8- to 12-in. vitr. sewers, etc. in Granville Ave., Exposition and Santa Monica Blvds., etc. To exceed $25,000. J. Shaw, city engr.

Calif., Oakland — Plans storm sewer in Grand Ave. To exceed $100,000. W. W. Harmon, city engr.

Calif., San Bernardino—Plans sewers in various streets. $50,000.

Ont., Crystal Beach—Plans mostly 8 in. vitr. tile sewers in West and East Crescent, East Lincoln, and Cambridge Sts. $25,000. A. E. Chalmers, Crystal Beach, engr.

Ont., Kitchener—Making plans 1½ mi. 8 in. and up vitr. tile sewers, etc. in various streets. $25,000. S. Shupe, City Hall, engr.

Ont., Kitchener—See "Streets and Roads."

Ont., Ottawa — Bd. Control soon takes bids drainage system in west end of city (Cave Creek). $217,000. Nepean Twp. will pay 22% of cost. A. F. Macallum, City Hall, engr.

Ont., Toronto—Plans vitr. tile, concrete and trunk sewers in Sycamore Pl., 3 lanes, Queen Quay, Westlake and Carling Aves. $170,332. R. C. Harris, City Hall, engr.

Ont., Toronto—Plans extending concrete or brick trunk low level interceptor sewer from Front and Bathurst Sts. to Wellington St. $44,850. R. C. Harris, City Hall, engr.

Ont., Toronto—York Twp. making plans vitr. tile sewers in Baby Point Crescent and Lapp Ave. $61,355. F. B. Goedike, 40 Jarvis St., engr.

Bids Desired

Conn., Waterbury — Mar. 12, by City, (1st unit), 4,600 ft. main carrier between Washington and Freight St. bridges. Total $5,000,000. R. A. Cairns, city engr.

N. Y., Brooklyn—Mar. 2, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in Avenue I, Hegeman, 15th, Dumont and Jamaica Aves., East 2nd and 62nd Sts.

N. Y., Syracuse—Feb. 28, by Bd. Contr. & Supply, City Hall, 1,400 ft. 5- to 12-in. concrete or vitr. clay sewers in Arnts Pl., N. F. Pitts, Jr., City Hall, engr.

N. J., Asbury Park—Mar. 3, by Sewerage Comrs. Dist. 5, Ocean Twp., at Mechanics Hall, Oakhurst, sewerage system at Wanamassa, near here. J. W. Seaman, 210 Bway., Long Branch, civil engr.; adv. E. N.-R. Feb. 24.

N. J., Nutley—Mar. 15, by S. Blum, town clk., Town Hall, 9,000 lin.ft. 12- to 54-in. rein.-con. pipe for storm sewer in Daily St., Bloomfield and Hawthorne Aves. O. A. Luck, town engr.; adv. E. N.-R. Feb. 24.

Tenn., Nashville—Mar. 8, at office S. H. McKay, city clk., trunk and lateral sanitary sewers. H. E. Howse, mayor; adv. E. N.-R. Feb. 24.

O., Akron—Mar. 24, by W. F. Peters, dir. Pub. Serv., for Cuyahoga River Outfall Sewer, Contr. 1, 12,900 ft. 90 x 144 in. rein.-con. or vitr. clay pipe; adv. E. N.-R. Feb. 24.

O., Cleveland—Mar. 2, by Cuyahoga Co., 6,000 ft. 12- to 24-in. vitr. tile sewers in Lotus and Emery Drs. F. Williams, Court House, engr.

O., Toledo—Mar. 29, at office W. B. Guitteau, dir. Pub. Serv., Safety Bldg., approximately 4,250 ft. 72 in. circular sewer in Millard and Front Sts., and 8,800 ft. 66 in. in Front St., Contr. 9 of East Side Intercepting Sewer.

Mich., Detroit—Feb. 28, by Dept. Pub. Wks., Newport Ave. Arm Sewer in Newport Ave., 2,488 ft. 5 ft. 6 in. to 8 ft. 6 in. brick or concrete pipe; Baby Creek-Ellsmere Storm Sewer in Baby Creek Park, 2,194 ft. 9 ft. 6 in. cylinder pipe; Mandale Gartner Sewer Arm of Baby Creek in Mandale and Gartner Sts., 3,992 ft. 3 ft. to 7 ft. cylinder pipe; and Ellsmere-Lawndale Storm Sewer Arm in Ellsmere, Chamberlain and Lawndale Aves., 4,108 ft. 6 ft. 6 in. to 5 ft. 6 in. cylinder pipe. P. A. Fellows, City Hall, engr.

Mich., Fordson—Mar. 1, by B. P. Esper, city clk., 690 ft. 24 in. crock sewer, etc., in Mulkey Ave. $25,000. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Mo., St. Louis — Mar. 8, by Bd. Pub. Serv., 208 City Hall, for Sect. A, Western Mill Creek Pub. Relief Sewer, Plan 1, 3,690 ft. 13 x 13 ft. and 1,315 ft. 9 x 9 ft. horseshoe sections excavated in tunnel concrete lined, and 5 concrete lined shafts; Plan 2, 3,690 ft. 13 x 13 ft., 4,020 ft. 9 x 9 ft. and 2,240 ft. 7 x 7 ft., horse sections excavated in tunnel, concrete lined, and 7 concrete lined shafts, etc., connecting existing sewers. $950,000. W. W. Horner, 300 City Hall, engr. Noted Feb. 17.

Tex., San Antonio — Taking bids 3 mi. laterals, and 1½ mi. main sewer line, incl. 6- to 20-in. pipe, in Jefferson Heights. $75,000. I. Ewig, city engr. Noted Feb. 3.

Tex., San Antonio—Taking bids 4 mi. 8- to 20-in. sewers in Lakeview Addition. $125,000. I. Ewig, city engr.

Calif., Santa Monica — City Council taking bids 2,200 lin.ft. 24 in. rein.-con. sewer along ocean front. H. B. Carter, city engr.

Ont., Toronto—Mar. 8, by T. Foster, chn. Bd. Control, constructing North Toronto Trunk Sewerage System, Sect. 3, in Smith St., Walder and Eglinton Aves.; Sect. 15, in Chaplin Crescent, Avenue Rd., Balliol and Yonge Sts. R. C. Harris, City Hall, engr.

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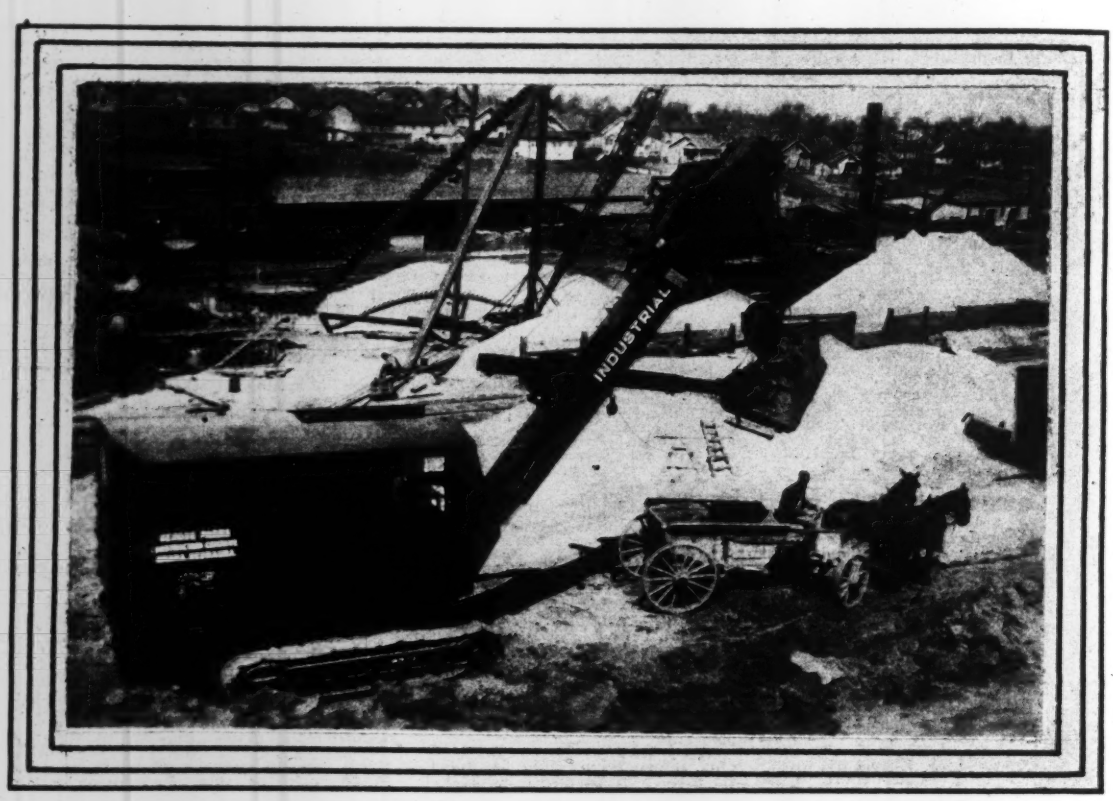

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Sewers (Continued)

Bids Received

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Feb. 18, sewers in Bartholdi St., $19,447; in East 237th and East 337th Sts., from J. V. Timoney Constr. Co., 220 East 161st St., $39,848 and $36,615 respectively; Provost Ave., from Anita Constr. Co., 2975 Marion Ave., $2,545. Noted Feb. 10.

Contracts Awarded

N. Y., Brooklyn—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to V. Peconi, 152 East 4th St., sewers in East 26th St. $3,929, 54th St. $3,504, and Avenue P $1,617; to P. J. Donlon Contg. Co., 82 South 3rd St., Kings Highway, $22,605; to F. Dellasalla, 7624 15th Ave., West 8th St. $5,954, 74th St. $3,457, Crescent Pl. $2,900, and Avenue N $2,211; to A. W. Matarazzo, 1163 61st St., East 51st St., $3,223; and to Manmill Constr. Co., 2035 Douglas St., Bliss Terrace $3,323, and Alabama Ave. $1,750. Grand total $54,473. Noted Feb. 17.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Kew Contg. Co., Mineola, sewers in Vandeventer Ave. $3,747, Metropolitan Ave. $1,787, 37th St. $789, Tiemann Ave. $2,644, and Rockaway Blvd. $1,328; to J. H. Johnson, Case Pl., $3,026; to Kennedy & Smith, Bradford St., Flushing, South Railroad Ave. $2,690; to J. Szpantowitcz, 480 Boulevard, 46th St., $2,335; to Peace Bros., Inc., 57 North Lawrence St., Flushing, Sanford Ave., $1,149; to D. A. Gross, 8515 Fulton St., Woodhaven, 87th St. $1,713, and 88th St. $1,834; to P. J. Greenough, 9919 Guilford Ave., Rockaway Blvd., $1,324. Grand total $23,577. Noted Feb. 17.

W. Va., Huntington—Bd. City Comrs., Four Pole Trunk Sewer, Project 2, 30 and 33 in. double ring brick pipe, and Project 3, 33 in. one ring brick pipe, to Hughes & Keegan Co., Real Estate Exch. Bldg., Richmond, Va., $51,963 and $96,189 respectively. Noted Jan. 27.

Ga., Augusta—City Bond Comn. & Finance Com., 35,000 lin.ft. 8- to 24-in. terra cotta sewers, etc., in various streets, to P. M. Howard, Greensboro, N. C., $36,400.

O., East Dayton (mail Dayton)—City Service Director, East Dayton Sanitary Relief Sewer 1, 4,089 ft. 48 in. concrete pipe, to C. F. Smith & Son, Harries Bldg., Dayton $69,571, and Sewer 2, 3,423 ft. 12- to 48-in. vitr. and concrete pipe, to J. C. Mercer & Sons, Pigua $34,102; also storm sewer in Belpre Ave., to F. M. Hall, 55 Bank St., Dayton, $8,729. Grand total $112,402.

Mo., Springfield — To J. Spandri, 1371 North Jefferson St., constructing sewers in Dist. 45, Sect. 2, $32,297; to Ralph McSweeney & Easley Bros., Kingsbarde Apartments, sewers in Dist. 6, Sect. 1, Cloud Addition $23,998, Dist. 2, Sect. 44 $22,493, and Dist. 46, Sect. 2 $1,403. Grand total $80,291. Former contracts rescinded. Noted Feb. 3.

Mo., St. Louis—See "Streets and Roads."

Calif., Los Angeles—A. S. Soule, secy. Los Angeles Co. Sanitation Dist. 2, 56 ft. 54 in. extra heavy rein.-con. and 10,407 ft. 6 ft. 6 in. rein.-con. semi-elliptical sewer with vitr. clay liners in Joint Outfall Unit 3 from Dist. 1 main sewer to Los Angeles St., to Callahan Constr. Co., California Bank Bldg., approximately $235,125; 9,756 ft. 60 in. rein.-con. and 1,196 ft. 21 in. vitr. clay sewer in same district from Rice St. to temporary activated sludge treatment plant, to J. Artukovich, 626 North Bunker Hill Ave., $168,838; 12,072 lin.ft. 42 in. rein.-con. trunk sewer from Amestoy to Strawberry Aves., Co. Sanitation Dist. 5, to B. W. Belyea, 3126 East 26th St., approximately $106,550; also Holmes-Willowbrook Trunk Sewer, Dist. 1, cement pipe, to C. E. Green, Western Mutual Life Bldg., $93,917. Grand total $604,430. Noted Feb. 3 and 10.

Ont., Hamilton—City Council, second section new storm sewer extensions, to J. Taylor Constr. Co., Hamilton, $108,000. Noted Jan. 27.

Ont., Toronto—T. Foster, mayor, City Hall, brick and concrete trunk sewers in connection with North Toronto Sewerage System, Sects. 9 and 10, to J. Maguire, Balliot St., $129,215 and $156,800 respectively. Engrs. est. $286,000. Noted Jan. 13.

Waste Disposal

Proposed Work

Ky., Louisville—Plans garbage incinerator, serving east section of city. $145,000. A. A. Krieger, city engr.

Tex., San Benito—Voted $20,000 bonds, incinerator and abattoir. Address J. S. Brown, mayor. Noted July 8.

Bids Desired

N. Y., West New Brighton (Sta. Staten Island)—Mar. 2, by J. A. Lynch, pres. Richmond Boro, Boro Hall, St. George, constructing incinerator plant, foot Taylor St., here.

Bridges

Proposed Work

N. J., Bridgeboro—Bd. Freeholders Burlington Co., making plans single leaf bascule bridge. $360,000. H. B. Smith, Burlington City, co. engr. M. Goodking, Bridgeboro, highway engr. Noted Mar. 25.

Miss., Bay Springs — See "Streets and Roads."

Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids probably in July, bridge over Tennessee River, on Memphis-Bristol Highway, State Rd. 1, near Trotters Landing, Benton and Humphreys Counties. To exceed $500,000 C. N. Bass, highway engr. Noted Nov. 11.

Tenn., Nashville—State authorized $275,000 bond issue reconstructing and repairing rein.-con. and steel bridge over Cumberland River, at Sparkman St. H. E. Howse, mayor. Engineer not selected. Noted Nov. 4.

O., Toledo — Toledo Terminal R.R., J. Wanbecq, ch. engr., plans replacing present single track bridge with double track steel bridge with swing span over Maumee River. City and Lucas Co. also plan double-deck structure with highway on upper deck. A. H. Smith, city comr. of eng. and constr.

Ill., Pekin — State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, plans bridge to have 7 span steel superstructure with 3 span concrete girder approach at east end over Illinois River, here. F. T. Sheets, highway engr. E. A. Schultz, dist. engr.

Kan., Topeka — City, Missouri Pacific R.R. Co., Railway Exch. Bldg., St. Louis, Mo., E. A. Hadley, ch. engr., and Topeka Railway Co., making preliminary plans 800 ft. viaduct, 40 ft., over 6th St. $325,000. W. E. Baldry, City Hall, engr.

North Dakota and Minnesota — Grand Forks Co. (Grand Forks), N. D., State Hy. Dept., Bismarck, N. D., Polk Co. (Crookston), Minn., and State Hy. Dept., Minneapolis, Minn., plan concrete and steel bridge over River of the North connecting Grand Forks, N. D. and East Grand Forks, Minn. $300,000.

Mo., North Jefferson City (mail Cedar City)—Missouri-Kansas-Texas R.R. Co., F. Ringer, ch. engr., Ry. Exch. Bldg., St. Louis, making preliminary plans approximately 150 ft. rein.-con. and steel railroad bridge, 1 track wide, here.

Mo., Palmyra—See "Streets and Roads."

Mont., Helena — Lewis and Clark Co. making plans bridge over Dearborn River. $30,000. H. W. Holmes, Helena, state highway engr.

Mont., Polson—State Hy. Comn., Helena, making plans bridge near here, Lake Co. $50,000. H. W. Holmes, highway engr.

Tex., Belleville—See "Streets and Roads."

Tex., Clarksville — See "Streets and Roads."

Tex., Grimes—See "Streets and Roads."

Tex., Guadalupe — See "Streets and Roads."

Tex., Huntsville — See "Streets and Roads."

Tex., Lubbock—See "Streets and Roads."

Tex., Orange—See "Streets and Roads."

Tex., San Antonio—City, c/o J. W. Tobin, mayor, soon takes bids 1 and 2 span, rein.-con. and steel bridges across San Antonio River, on Martin St. $35,000, at Grand Ave. $35,000, North St. $35,000, and Josephine St. $35,000. I. Ewig, city engr.

Tex., San Jacinto — See "Streets and Roads."

Okla., Covington—State Highway Dept., Oklahoma City, making preliminary plans 2 span 140 ft. steel truss bridge on piers over Black Bear Creek, Garfield Co., near here. $30,000. J. M. Page, highway engr.

Ont., Bradford — York Co. (Toronto), plans replacing steel truss bridge with 100 ft. span concrete truss highway bridge, 20 ft. roadway, here. $25,000. R. W. Phillips, County Bldg., Toronto, clk.

Ont., Toronto—City Council making plans replacing present bridge with concrete bridge carrying highway and street car traffic, on Winchester St. $25,000. R. C. Harris, City Hall, engr. Noted Feb. 18, 1926.

Ont., Toronto—York Co. making plans replacing present bridge with 100 ft. concrete bridge, 20 ft. roadway, on Scarlett Rd. $25,000-$30,000. R. W. Phillips, County Bldg., clk. Engineer not selected.

Ont., Toronto—Making plans rebuilding 400 ft. steel arch and concrete bridge, 120 ft. high over Rosedall Ravine, on Huntley St. $127,000. R. C. Harris, City Hall, engr.

British Columbia — See "Streets and Roads."

Bids Desired

N. J., Freehold — See "Streets and Roads."

Pennsylvania—Apr. 4, by Comrs. Northumberland Co. (Sunbury) and Union Co. (Lewisburg), at Court House, Sunbury, steel plate girder or rein.-con. bridge over Susquehanna River connecting Watsontown and White Deer. J. B. Long, 57-61 Montgomery Trust Arcade, Norristown, consult. engr.; adv. E. N.-R. Feb. 24.

Kentucky—Mar. 31, by State Hy. Dept., Frankfort, one 180 ft. steel span superstructure, and concrete abutments for steel span and four 45 ft. concrete approach span substructure, over Barren River, on Scottsville-Glasgow Rd., Federal Aid Project 112-B, Allen and Barren Counties; also two 150 ft. steel span superstructure and substructure incl. encasing existing stone masonry abutments and piers in concrete over Licking River, on Falmouth-Brooksville Rd., State Aid Project 101-A, at Falmouth, Pendleton Co. E. N. Todd, highway engr.

O., Cincinnati — Mar. 11, by Comrs. Hamilton Co., 172 ft. span steel truss bridge, at Spring Grove Ave. $48,000. E. A. Gast, Court House, engr.

Ind., Princeton—See "Streets and Roads."

Ind., Shelbyville — Mar. 8, by Comrs. Shelby Co., Red Mills Bridge over Sugar Creek, Sect. 12 Tp. 13 N. R. 5E. $28,100. G. Parrish, Shelbyville, aud.

Ia., Algona — Mar. 2, at office Auditor Kossuth Co., 120 ft. high truss and two 40 ft. approach span bridge.

South Dakota—See "Streets and Roads."

Missouri—Feb. 26, by State Hy. Comn., Jefferson City, two 24 ft. rein.-con. slab and one 40 ft. rein.-con. deck girder spans, etc. over Alden Creek, one rein.-con. slab span, etc. over stream, six 30 ft. rein.-con. deck girder and one 80 ft. steel truss spans, etc. over Horse Creek, all Cedar Co.; two 10 ft. rein.-con. slab spans, etc. over stream, three 40 ft. I-beam and one 70 ft. steel truss spans over Bear Creek, also one 12 ft. rein.-con. slab span, etc. over stream, all Gentry Co.; two 12 ft. rein.-con. slab spans, etc. over Jordan Creek, and three 24 ft. rein.-con. slab spans, etc. over Little Soc River, Greene Co.; three 45 ft. rein.-con. deck girder spans, etc. over Bee Creek, Platte Co.; one 70 ft. steel truss and six 40 ft. I-beam spans, etc. over Middle Fork Grand River, two 10 ft. and two 12 ft. rein.-con. spans, etc. over stream, Worth Co. T. H. Cutler, ch. engr.

Mo., St. Louis — Mar. 8, by Bd. Pub. Serv., 208 City Hall, 5 span 215 ft., rein.-con. and steel bridge over River Peres, at Watson Rd. $56,400. L. R. Bowen, 301 City Hall, engr. Noted Feb. 17.

Tex., San Antonio — City, c/o J. Tobin, mayor, taking bids 70 ft. rein.-con. and steel bridge across San Antonio River, on Pecan St. $35,000. I. Ewig, city engr.

Tex., Wichita Falls—Mar. 7, by Wichita Co., E. P. Walsh, aud., 110 ft. rein.-con. bridge across Wichita River. $40,000. J. M. Isbell, Wichita Falls, co. engr.

Wash., Hoquiam — Mar. 8 (extended date), by State Hy. Comn., Olympia, bridge over Hoquiam River, on Simpson Ave., here. J. W. Hoover, Olympia, ch. engr. Noted Feb. 3.

Contracts Awarded

Mass., Winchendon — Concrete and granite arch bridge over Mason and Parkers Pond, on Spring St., to Aberthaw Co., 80 Federal St., Boston, $27,300. Noted Feb. 17.

Kan., Lincoln—See "Streets and Roads."

South Dakota—State Hy. Comn., Pierre, steel bridges on Federal Aid Project 217-A, Hardin Co., to Jahnig & Davis, Britton, $12,262. Noted Jan. 20.

Missouri — State Hy. Comn., Jefferson City, to R. H. Sharp, Reeds Springs, one 8 ft. and 12 ft. rein.-con. slab spans, etc. over stream $1,593, three each 18 ft. and 20 ft. rein.-con. slabs, etc. over Honey Creek $7,680, both Dade Co., to Winstead & Gunter, Siloam Springs, Ark., one 6 ft. rein.-con. slab span, etc. over stream, Dade Co., $526; to Thomas & Johnston, Doniphan, three 30 ft. concrete deck girder spans, etc. over Little Black River $7,284, to Maxwell Constr. Co., Columbus, Kan., 50 ft. and sixteen 30 ft. rein.-con. deck girder spans, etc. over Chicago & Great Western R.R. Tracks, Platte Co., $40,003; to Davis

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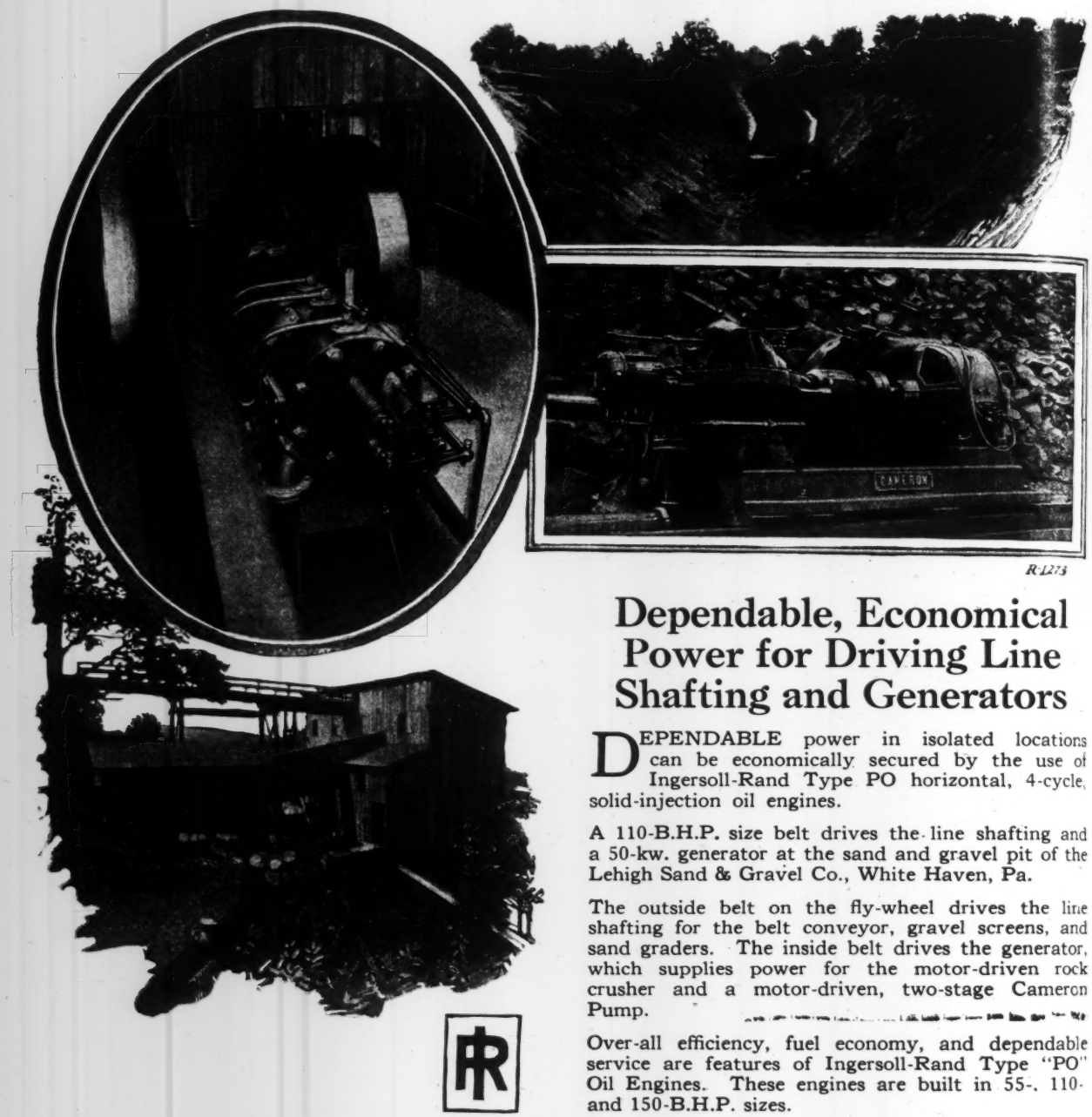

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Bridges (Continued)

Constr. Co., Boonville, two 10 ft. and one 12 ft. rein.-con. slab spans, etc. over stream $3,519, to 12 ft. rein.-con. slab spans, etc. over Allens Branch $4,268, Callaway Co., three 20 ft. rein.-con. slab spans, etc. over overflow Beaver Dam Creek $5,283, three 40 ft. rein.-con. deck girder spans, etc. over Beaver Dam Creek $14,310, Audrian Co., 45 ft. rein.-con. deck girder span, etc. over Jesse Branch $6,458, one 20 ft. rein.-con. slab and two 75 ft. steel truss spans, etc. over Aux Vases Creek $5,113, Callaway Co.; to G. W. Condon Co., Omaha, Neb., five 20 ft. rein.-con. slab spans, etc. over Mussel Fork Creek Overflow $8,345, 100 ft. steel truss and eight 40 ft. rein.-con. deck girder spans, etc. over Mussel Fork River $32,076, Chariton Co.; to V. C. Cossota, Oklahoma City, Okla., two 12 ft. rein.-con. slab and one 40 ft. rein.-con. deck girder spans, etc. over stream $10,348, two 40 ft. rein.-con. deck girder and one 80 ft. steel truss spans, etc. over Big Creek $14,840, all Carroll Co.; to C. F. Johnson & Son, Buffalo, three 30 ft. rein.-con. deck girder over overflow Meramec River $6,790, and two 150 ft. steel truss spans, etc. over Meramec River, $25,924, Dent Co.; to C. P. O'Reilly Constr. Co., St. Louis, two 10 ft. rein.-con. slab spans, etc. over Landwehrs Branch $5,276, one 50 ft. rein.-con. deck girder span, etc. over Rising Creek $7,486, one 50 ft. rein.-con. deck girder span, etc. over Sanford Creek $13,367, and one 180 ft. steel truss span, etc. over Moneau River $52,488, all Cole Co. Grand total $275,587. Noted Feb. 17.

Wash., Tacoma—Bd. Pub. Wks., concrete bridge, on North Proctor St., to Olympic Constr. Co., 1326 Northlake Ave., Seattle, $132,944. Engrs. est. $145,000. Noted Feb. 17.

Calif., Blythe—Blythe Bridge Corp., substructure, 1,447 ft. steel bridge over Colorado River, to F. Brown, Blythe; super-structure, to Virginia Bridge & Iron Co., Metropolitan Theatre Bldg., Los Angeles.

Dams

Proposed Work

Mo., Piedmont—Black River Hydro-Electric Co., c/o Harrington, Howard & Ash, consult. engrs., Orear Leslie Bldg., Kansas City, making surveys dam and power plant, here. W. A. Fuller, 1917 Ry. Exch. Bldg., St. Louis, ch. engr. This corrects report in Feb. 3 issue.

Railways

Proposed Work

Pennsylvania — Chartiers Southern R.R. Co., c/o Monongahela R.R. Co., G. H. Burnette, ch. engr., Brownsville, plans 7.6 mi. railroad extension in Greene Co.

Missouri — See "Bridges under North Jefferson City (mail Cedar City)."

Montana—Northern Pacific R.R. Co., H. E. Stevens, ch. engr., Ry. Exch. Bldg., St. Paul, Minn., plans relaying 12.5 mi. double track, with 100 lb. rails, between Missoula and DeSmet, here. $181,000.

Bids Desired

California — Mar. 21, by Supervs. Los Angeles Co. Flood Control Dist., 16.2 mi. of 1 or 1 relay railroad rails and angle bars. Former bids rejected. Noted Dec. 9.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Illinois — Dept. Purchases & Constr., State House, Springfield, rejected bids Jan. 5, Brandon Pool Project in Joliet and vicinity, incl. 202,000 cu.yd. excav., 150,000 yd. concrete and 2,000,000 lb. steel and iron. M. G. Barnes, ch. engr. Noted Jan. 14.

Neb., Lexington—Irrigation Dist., c/o C. D. Bliss, Elm Creek, plans irrigation canal near Buffalo Creek. $60,000. Private plans.

Neb., Paxton—Irrigation Dist., c/o S. E. Anderson, Sunderland, plans 22 mi. canal from South Platt River and incl. Old Paxton Irrigation Canal. $64,000.

Tex., San Benito—See "Unclassified."

Calif., Turlock—Siem Ditch Assn. plans 4,000 lin.ft. concrete canal lining together with appurtenant works. D. B. Fowler, secy.

Contracts Awarded

Fla., Bradenton — City, c/o R. K. Van Camp, comr. Pub. Wks., concrete sea wall and municipal pier in Manatee River, to Bradenton Dredging Co., Bradenton. Noted Dec. 2.

O., Cleveland—Dredging Cuyahoga River, to Great Lakes Dredge & Dock Co., Williamson Bldg., $84,500. Noted Jan. 20.

Ark., Blytheville—D. D. 17 of Mississippi Co., 350,000 cu.yd. excav., to W. E. Callahan Constr. Co., Ry. Exch. Bldg., St. Louis, Mo. Noted Feb. 3.

Ark., Walnut Ridge—Village Creek D. D., C. M. McCarrol, secy., to Funk & McGuire, Tupelo, Miss., 520 acres clearing and 1,242,080 cu.yd. excav. in main ditch, $105,080; to O. Kochtitzky, England, 80 acres clearing and 78,970 cu.yd. excav. in Little Village Creek $10,464; 60 acres clearing and 108,000 cu.yd. excav. in Cook Creek laterals $14,310, 10 acres clearing and 46,000 cu.yd. excav. in Turkey Creek laterals $6,095, 45 acres clearing and 108,000 cu.yd. excav. in White Oak laterals $14,310, 125 acres clearing and 230,000 cu.yd. excav. in Lake Pond laterals $30,465, also 60 acres clearing and 114,000 cu.yd. excav. in Lindsley Creek laterals $15,105. Grand total $195,829. This corrects report in Feb. 10 issue.

Wash., Olympia—Port Comm., Chambers Bldg., improving channel, incl. 14,000 cu. yd. loose rock riprap along and under present and proposed docks, to Puget Sound Bridge & Dredging Co., Central Bldg., Seattle, $41,278. Noted Nov. 25.

Streets and Roads

Proposed Work

Mass., Roxbury (Boston P. O.)—Dept. Pub. Wks., Boston, J. H. Sullivan, comr., plans bituminous macadam or sheet asphalt paving Dudley St. between Harrison and Blue Hill Aves., here. $40,000.

N. J., Bordentown — Burlington Co. (Mount Holly) A. Adams, clk., making plans constructing 4.5 mi. Bordentown-Chesterfield Rd. $73,000. H. B. Smith, Mount Holly, engr.

W. Va., Mt. Pleasant — Clendenin Dist. election Mar. 1, $115,000 bonds, improving roads in Mason Co. J. G. Aten, co. clk.

W. Va., Wellsburg — Brooks Co. Court soon takes bids paving Cross Creek and other roads. $85,000 appropriated. H. McGraw, Wellsburg, co. engr.

Miss., Bay Springs — Jasper Co. takes bids first week in March, grading, bridging, graveling, etc., 15 mi. roads in Beats 3 and 4. $195,000. J. L. Wheless, Hattiesburg, engr. Noted Jan. 27.

Miss., Water Valley — Yalobusha Co. voted $100,000 bonds, grading, hard-surfacing, etc., Water Valley-Oakland Rd., and Water Valley-County line Rd., in Dist. 3.

Miss., Waynesboro—Bd. Supervs. Wayne Co., takes bids about Mar. 1, grading, gravel surfacing, etc., 3 mi. Waynesboro-Quitman Rd., 18 ft. $40,000. H. C. Dietzer, Jackson, engr.

La., Cameron—Road Dist. 6, Cameron Parish, voted $162,000 bonds, grading and graveling roads, incl. Gulf Beach Highway from DeRidder to here. Noted Jan. 6.

La., Baton Rouge—East Baton Rouge Parish plans election soon $88,000 bonds, grading, graveling, sidewalks and hard-surfacing Sub-Road Dist. 2 of Road Dist. 1. A. G. Mundinger, Weick Bldg., engr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 12 mi. Ripley-Brownsville Rd., State Rd. 12, Haywood Co. C. N. Bass, highway engr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys grading, etc., 6 mi. Trimble-Troy Rd., State Rd. 3, Obion Co.; and 5 mi. Valdean-Soddy Rd., via Red Bank, Hamilton Co. C. N. Bass, highway engr.

O., Akron—W. F. Peters, dir. Pub. Serv., takes bids in spring, widening and vitr. brick paving 315 sq.yd. and sheet asphalt paving 9,200 sq.yd. East Buchtel Ave. $43,600. E. A. Kemmler, Municipal Bldg., engr.

O., Cincinnati — Hamilton Co. making plans grading and tar bound macadam paving 16,000 sq.yd. Reemlin Rd. $56,014 E. A. Gast, Court House, engr.

O., Cincinnati—Plans grading and tar bound macadam repaving, etc., 9,900 sq.yd. McCullum Rd. $29,890. E. A. Gast, Court House, engr.

O., Cincinnati—Hamilton Co. plans grading and tar bound macadam paving 16,700 sq.yd. Anderson Ferry Rd. $49,600, 5,800 sq.yd. Ebenezer Rd. $25,100, 7,200 sq.yd. Roebling Rd. $25,200, 25,000 sq.yd. Lockland Rd. $72,565, 25,500 sq.yd. Kugler Mill Rd. $77,470, 13,200 sq.yd. Madisonville Rd. $35,530, and 30,600 sq.yd. Three Mile Rd. $78,000. E. A. Gast, Court House, engr.

O., Toledo—Plans issuing $200,000 bonds, widening and extending Adams, Ashland, Bancroft, Bway., Central, Cherry, Collingwood, Consaul, Cushing, Dearborn, Detroit, Franklin, Dorr, Dryden, East Bway., Erie, Galena, Hurd, Jefferson, Lagrange, Monroe, Navarre, Nebraska, Oak, 17th, St. Clair, Starr, Sylvania, Summit, Western and Woodville Sts.

O., Wellsville—Bd. Control takes bids in spring, resurfacing 1 mi. Main St., 50 ft. $40,000-$50,000.

Ill., East St. Louis—Making preliminary plans grading, curbing and asphalt on concrete, or rein.-con. paving 25 blocks various streets in Oak Park Dist. $229,000. W. McK. Brown, City Hall, engr.

Ill., Galesburg—Knox Co. plans 500,000 gal. road oil on state aid county roads. $30,000. H. M. Roy, Galesburg, supt highways.

Ill., Gerlaw—Warren Co., plans approximately 6 or 8 cars road oil on Spring Grove Twp. roads. W. J. Miller, Gerlaw, commissioner.

Ill., Kirkwood—Warren Co. plans graveling 15 mi. 25 township roads, 14 ft. $35,000. W. Brownlee, Kirkwood, highway comr.

Ill., Knoxville — Plans grading, curbing and vertical fibre brick paving Hebard St. $20,248. F. M. Connolly, Peoples Bank Bldg., Galesburg, engr.

Ill., Monmouth—Warren Co. plans 400,000 gal. road oil on state aid roads. $25,000. C. L. McClanahan, Court House, engr.

Ill., Morrison — Whiteside Co. plans graveling 15 mi. state aid roads. $25,000. C. W. Hills, Court House, supt. highways.

Ill., Peoria—Peoria Co. plans graveling 30 mi. state aid highways, 14 ft. $60,000. W. E. Emery, Court House, Peoria, engr.

Ill., Princeton—Bureau Co. plans grading, curbing, rein.-con., vitr. brick or macadam paving 15,000 sq.yd. various streets. $55,000. R. L. Schoenberger, Princeton, engr.

Minn., New Ulm—W. Backer, city clk., rejected bids Feb. 3, grading and paving approximately 9,451 sq.yd. various streets. $28,000. F. D. Minium, city engr. Will readvertise. Noted Jan. 27.

Mo., Palmyra — Marion Co. plans election in April, $300,000 bonds, grading, bridging and graveling 150 mi. various roads. W. D. Cooper, Palmyra, engr. Noted Dec. 16.

Texas—Jourdan Campbell Land Syndicate, Inc., c/o Houston Bldg., San Antonio, plans improving 40,000 acres in 15 southwest Texas Counties. $235,000. Private plans.

Texas—Childress Co. (Childress), Collingsworth Co. (Wellington), and Wheeler Co. (Wheeler), plan 45 mi. highways starting in Childress Co. running through Collingsworth and Wheeler Counties into Gray Co. in oil fields. $3,000,000. Address Comrs. Childress Co.

Tex., Anson — Jones Co. making plans rein.-con. paving 17.38 mi. Highway 93, 18 ft. $435,000. J. W. Puckett, Stamford, co. engr.

Tex., Belleville—Austin Co. making plans grading, bridging, sand clay and gravel surfacing, etc. 14.22 mi. Highway 73, 18 ft. $300,000. H. Schroeter, Belleville, co. engr.

Tex., Clarksville—Red River Co. making plans grading and bridging 6.269 mi. Highway 5-A. $54,000. M. P. Homeyer, Clarksville, engr.

Tex., Grimes—Anderson Co. takes bids about Mar. 1, grading and bridging 13.89 mi. Highway 90. $133,000. O. A. Seward, Jr., Navasota, engr.

Tex., Guadalupe—Seguin Co. plans grading, bridging and hard paving 12 mi. Seguin - Kingsbury - Luling Rd. $300,000. H. J. Caulfield, Seguin, resident engr.

Tex., Huntsville — Walker Co. making plans grading, bridging, etc. 13.953 mi. Highway 45, 26 ft. $60,000. D. K. Caldwell, Huntsville, co. engr.

Tex., Liberty—Liberty Co. making plans shell surfacing 11.5 mi. Highway 61, 18 ft. $90,000. S. J. Treadway, Liberty, co. engr.

Tex., Lubbock — Lubbock Co. making plans grading and bridging, etc. 7 mi. Highway 53, 26 ft. $37,000. J. W. Alger, Lubbock, co. engr.

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Streets and Roads (Continued)

Tex., Orange—Orange Co. voted $160,000 bonds, grading, bridging and paving 12 mi. Johnson's Bayou section of Gulf Beach. Address County Comn.

Tex., Raymondville—Election Mar. 17, $100,000 bonds, of which $62,000 will be applied to refunding warrants, and $38,000 paving various streets. Address Mayor.

Tex., San Angelo—Town Green Co. making preliminary plans hard paving 15.5 mi. Highway 9, $358,300, also 14.53 mi. Highway 30, $261,500. T. J. Kelly, San Angelo, engr.

Tex., San Angelo—Tom Green Co. making preliminary plans hardsurfacing 9.75 mi. Highway 9, $144,000; also 16.1 mi. Highway 99, $290,000. T. J. Kelly, San Angelo, engr.

Tex., San Antonio—Making plans widening Main and Dolorosa Aves., South Alamo, Travis and Nueva Sts., also completing Market St. widening. $2,500,000. Property owners appropriate $1,695,000, and city $805,000 toward cost. I. Ewig, city engr. Noted Dec. 29.

Tex., San Benito—See "Unclassified."

Tex., San Jacinto—Cold Springs making plans grading, bridging and gravel surfacing 18.05 mi. Highway 45. $290,000. Address W. McMurry, Cold Springs, judge.

Oklahoma—State Hy. Dept., Oklahoma City, making preliminary plans grading, etc., 10 mi. Yukon-Mustang Rd., 30 ft. $40,000. J. M. Page, highway engr.

Calif., Oceanside—Plans grading, ornamental lighting systems, concrete paving, etc. The Strand, Wisconsin Ave., etc. To exceed $25,000. R. C. Loucks, city engr. Noted Feb. 3.

Wash., Olympia—City Comn. takes bids about Apr. 1, concrete repaving, etc., 4th Ave. between Capital Way and Jefferson St., $12,000; also Chicago type commercial paving Washington St. between State Ave. and E Ave., $45,400. C. I. Signer, city engr.

Ont., Ottawa — Secy. Dept. Pub. Wks. soon takes bids new sidewalks and pavement around Parliament Buildings. $43,000. T. W. Fuller, Dept. Pub. Wks., engr.

Ont., Ottawa — Ottawa Imp. Com., A. Stewart, supt., Fraser Bldg., Queen St., soon takes bids new concrete driveway from Laurier Ave. east to Sparks St., for Dominion Govt. $100,000.

British Columbia — Dept. Pub. Wks., Victoria, making plans constructing provincial roads and bridges, throughout whole province. $4,000,000 appropriated. P. Philip, Dept. Pub. Wks., Victoria, engr.

B. C., Point Grey—Making plans and soon takes bids concrete or asphaltic concrete paving various streets. $110,773. W. B. Greig, 5851 West Blvd., engr.

Bids Desired

Mass., Everett (Boston P. O.)—Feb. 28, by Bd. Pub. Wks., 12,000 sq.yd. granolithic sidewalks on various streets. Bd. Pub. Wks., City Hall, engr.

Conn., Willimantic — Feb. 25, by City Clerk, amiesite concrete paving 18,900 sq. yd. Maine and Bridge Sts. $75,000. Address City Engineer.

N. Y., Brooklyn—Mar. 2, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, etc., Baughman Pl. and East 49th St.; grading and asphalt on 6 in. concrete paving Schenectady Ave., Avenue I, West 13th, 63rd, 81st, 93rd Sts.

N. Y., Long Island City—Mar. 3, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, recurbing, and granite block on concrete paving Hunterspoint Ave.; grading and sheet asphalt paving 88th and 34rd Aves., 37th St. (8th Ave.) and 104th St.; also grading Amstel Blvd. and Waldron St.

N. Y., New York—Mar. 2, by J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, curbing and permanent sheet asphalt on concrete paving Lenox Ave. from point 10 ft. north of north curb line 146th to 147th Sts., etc.

N. Y., New York—Mar. 2, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., bituminous concrete on concrete paving Evelyn Pl.; granite block on concrete paving Intervale Ave.; and sheet asphalt on concrete paving Rosedale and Powers Aves.

N. Y., St. George — Mar. 2, by J. A. Lynch, pres. Richmond Boro, Boro Hall, concrete sidewalks on Amboy Rd.; and sewers in Neptune St.

N. Y., Syracuse—Feb. 28, by Bd. Contr. & Supply, City Hall, grading 28,500 cu.yd. Van Rensselaer St., $31,000; and 17,100 cu.yd. Reed Ave., Malverne Dr., etc., $26,000. N. F. Pitts, Jr., City Hall, engr.

N. J., Freehold—Mar. 9, by Bd. Freeholders Monmouth Co., rein.-con. paving and bridging 2.95 mi. Keyport-Keansburg Rd. B. B. Newcomb, dir.; adv. E. N.-R. Feb. 24.

Pennsylvania — Mar. 4, by State Hy. Comn., Harrisburg, one course rein.-con. paving, etc., 50,450 yd. 13 projects in Berks, Carbon, Fayette, Luzerne, Mercer, Northampton and Washington Counties. J. L. Stuart, Harrisburg, secy. highways.

Delaware—Mar. 16, by State Hy. Dept., Dover, grading and concrete widening, etc., 9.908 mi. Maryland Line-State Rd., Contr. 79; adv. E. N.-R. Feb. 24.

Maryland — Mar. 8, by State Roads Comn., 601 Garrett Bldg., Baltimore, 1,059,298 gal. oiling 474.68 mi. highways in 21 counties. J. N. Mackall, chn.; adv. E. N.-R. Feb. 24.

Fla., Deland—Mar. 10, by Comrs, Volusia Co. concrete curbing, guttering, brick, concrete or bituminous widening 22,000 sq.yd. Orange and Magnolia Sts.; also asphaltic surface treating 145,464 sq.yd. New Smyrna-DeLand-Osteen Highway in Turnbull Special Rd. & Bridge Dist. N. A. Hotard, New Smyrna, engr.

Ala., Birmingham — Mar. 15, by City Comn., J. W. Jones, Jr., pres., 6 in. concrete paving roadway on either side street car tracks, vitr. brick paving between tracks and 18 in. on either side of track, 14 blocks 26th St. N., 60 ft., $107,320; sidewalks, guttering, 6 in. concrete on 2 in. bitulithic paving, etc., 3 blocks 12th St. S., 50 ft., $17,700; 3 in. asphaltic concrete on 5 in. concrete paving 1 block 16th St. S. W., 40 ft., $6,220; sidewalks, guttering, and 6 in. concrete paving 2 blocks 52nd St. S., and 7th Ave. S., 26 ft., $12,000; also sidewalks, guttering and 2 in. bitulithic on 6 in. concrete paving 4 blocks 25th St. S., 40 ft., $18,950. A. J. Hawkins, city engr.

Ala., Birmingham — Apr. 1, by City Comn., asphalt on 6 in. concrete paving, etc. Ave. Q, Ensley, $37,950; Court P, Ensley, $5,400; 8th Ave., Ensley, $8,450; and 32nd Ave. N., $11,750. A. J. Hawkins, city engr.

Tenn., Nashville — See "Contracts Awarded."

O., Cincinnati—Mar. 4, by Comrs. Hamilton Co., grading, curbing and concrete repaving 5,300 sq.yd. Prosperity Pl., $27,685; and 4,921 sq.yd. Harding Ave., $34,817. E. A. Gast, Court House, engr. Noted Jan. 20.

O., Cincinnati—Mar. 2, by Director Pub. Serv., grading, curbing, sidewalks and concrete repaving 5,000 sq.yd. Selim Ave. $31,812. C. O. Sherrill, City Hall, engr.

O., Cleveland—Mar. 2, by City, grading, curbing, and paving, etc. Glenville, East 107th and East 94th Places, Biddulph Ave. S. W. Burger Ave. S. W., Caldwell Ave. N. W. Crumb Ave. N. E., Geraldine Ave. N. W., Greenwich Ave. S. E., Kinkelaar Ave. N. W., Taft Ave. N. E. and Tate Ave. S. W., East 18th, East 76th, East 106th, and East 122nd Sts. R. Hoffman, City Hall, engr.

Ind., Brookville — Mar. 7, by Comrs. Franklin Co., constructing White Rd. $26,175. F. Deutsch, Brookville, aud.

Ind., Princeton—Mar. 8, by Comrs. Gibson Co., constructing Eaton McClure Rd. $21,652, Stormont Rd. $19,725, Mason-Dyer Rd. $10,007, White Rd. $12,356, and Busing Rd. $16,694; also bridge on Busing Rd., $2,371. A. M. Thompson, aud.

Ind., Monticello — Mar. 8, by Comrs. White Co., constructing 13,148 ft. W. Shumaker Rd., $18,668; 7,685 ft. Bertha Ogborn Rd., $9,453; and 5,306 ft. Frank Howard Rd., $8,415. C. Scott, Monticello, aud.

Ind., Shelbyville — Mar. 9, by Comrs. Shelby Co., constructing 2 mi. Smith and Debaum Rds. $27,215. G. Parrish, Shelbyville, aud.

Ind., Vincennes—Mar. 8, by Comrs. Knox Co., constructing 2.5 mi. Strangle-Pickle Rd. $26,855. G. W. Donalson, Vincennes, aud.

Mich., Grand Rapids—Mar. 1, by Kent Co., graveling 45,919 sq.yd. Ada-Brooklyn Rd. O. Hess, Grand Rapids, engr.

Wisconsin—Mar. 3, by State Hy. Comn., H. J. Kuelling, state highway engr., F. F. Mangel, div. engr., Wisconsin Rapids, and T. E. Cauley, highway comr. Portage Co., **(F. A. P. means Federal Aid Project)**, grading and concrete paving 116,303 sq.yd. F. A. P. 423-B, Waushara Co.; 87,493 sq. yd. Range Line-North County Line Rd., Portage Co.; and 82,412 sq.yd. F. A. P. 423-C.

Wis., Racine—Mar. 1, by E. R. Fischer, comr. Racine Co., and H. W. Vroman, div. engr. Wisconsin Hy. Comn., at Court House, 18 ft. concrete paving, etc., 36,052 sq.yd. Raymond-North Cape Rd., Div. Job 2687.

Ia., Anamosa — Mar. 4, by City Clerk, grading, curbing, guttering, concrete, vibrolithic concrete, asphaltic concrete, asphalt warrenite, bitulithic or brick paving 16,500 sq.yd. various streets. H. R. Green Co., 208 Bever Bldg., Cedar Rapids, engrs. Noted Feb. 3.

Ia., Emmetsburg—Mar. 2, at office Auditor Emmet Co., graveling, etc., 8 mi. secondary road at rate 1,000 cu.yd. per mile. F. A. Macdonald, Estherville, co. engr.

Ia., Montezuma—Mar. 1, at office Auditor Poweshiek Co., grading, paving, etc., 55,151 sq.yd. Federal Aid Project 261.

Minn., Duluth—May 1, by G. P. Phillips, city comr., concrete paving, etc., 24,125 sq. yd. 8th St., $48,387; and 24,925 sq.yd. East 4th St., $41,693. J. Wilson, city engr.

Minn., Jackson—Mar. 1, by J. A. Strand, city clk., paving, etc., 23,500 sq.yd. various streets. S. A. Sieverts, Builders Exch. Bldg., Minneapolis, engr. Noted Jan. 27.

South Dakota — Mar. 8, by State Hy. Dept., Pierre, **(F.A.P. means Federal Aid Project)**, graveling approximately 15,566 cu.yd. F.A.P. 185-A, Jones Co., 14,700 cu.yd. F.A.P. 185-C, and 27,500 cu.yd. F.A.P. 185-E, both Lyman Co.; also grading and bridging 6.65 mi. F.A.P. 215-D, Haakon Co., 15.81 mi. F.A.P. 215-A, Stanley Co., and 13.6 mi. F.A.P. 173-D, Edmunds Co. O. N. Hetle, state highway engr.

South Dakota — Mar. 8, by State Hy. Dept., Pierre, **(F. A. P. means Federal Aid Project)**, grading, etc., 12.02 mi. F. A. P. 201-B, Hyde Co., 15.13 mi. F. A. P. 192-B, McPherson Co., and 5.37 mi. F. A. P. 162-D, Haakon Co.; grading and bridging, etc., 9.96 mi. F. A. P. 194-B, Buffalo Co., 11.93 mi. F. A. P. 213-A, and 11.98 mi. F. A. P. 213-B, Spink Co., also 14.99 mi. F. A. P. 213-C, Brown Co.; and graveling, etc., 10.55 mi. F. A. P. 198-A, Brown Co., 9.2 mi. F. A. P. 70 and S. A. P. 40, Custer Co. O. N. Hetle, highway engr.

Missouri—Feb. 26, by State Hy. Comn., Jefferson City, 30 ft. grading 14.831 mi. roads in 6 counties; 18 ft. concrete paving 5.016 mi. roads in Greene and Phelps Counties, and 18 ft. chats surfacing 1.698 mi. roads in Cedar Co. T. H. Cutler, ch. engr.

Ark., Springfield — Mar. 4, by Comrs. Paving Dist. 51, W. Montgomery, chn., grading, sewers, curbing, and 6 in. plain concrete paving 9,300 sq.yd. or integral curbing, 6 in. plain concrete paving, etc. 9,800 sq.yd. various streets. R. F. Peterson, Texarkana, engr. Noted Jan. 13.

Okla., Clinton—Mar. 1, by W. A. Shouse, city clk., grading, curbing and concrete paving 8,700 sq.yd. Dist. 18, here. $28,641. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Seminole—Mar. 1, by E. Magruder, city clk., grading, curbing and concrete paving 9,800 sq.yd. West Bway. $37,290. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Jan. 27.

Washington—Mar. 8, by State Hy. Comn., Olympia, clearing 16 mi. State Rd. 2, Denney Creek-Tanner Rd., King Co. J. W. Hoover, ch. engr.

Calif., San Diego—Mar. 7, by Common Council, grading, curbing and 5 in. concrete paving 82,960 sq.ft. Reynard Way, Curlew and Upas Sts., 230,923 sq.ft. El Cerrito Dr., etc., and 5 in. asphaltic concrete paving, etc. 75,624 sq.ft. Bancroft, Grape Sts., etc.; also grading, etc. 82,276 cu.yd. Coronado and Del Mar Aves. F. A. Rhodes, city engr. Noted Feb. 3.

Ont., Hamilton — See "Contracts Awarded."

Indiana—Mar. 9, by J. D. Williams, dir. State Hy. Comn., Indianapolis, concrete paving 4 mi. Schneider-Belshaw Rd., U. S. Rd. 41, Lake Co., 10.3 mi. West Baden-Paoli Rd., U. S. Rd. 150 Orange Co., 23.5 mi. Plymouth-Warsaw Rd., Marshall and Kosciusko Counties, and 17.1 mi. Hamlet-Plymouth Rd., Starke and Marshall Counties, both U. S. Rd. 30, also 25.7 mi. Lafayette-Fowler Rd., U. S. Rd. 52, Tippecanoe and Benton Counties; grading 2.3 mi. French Lick Rd., State Rd. 56 Orange Co., and 2.2 mi. Spencer-Cloverdale Rd., State Rd. 43, Owen Co. W. J. Titus, State House, ch. engr.

Bids Received

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Feb. 16, from F. Persicano, 489 Lenox Rd., grading, curbing and bituminous macadam paving Avenue L, $12,145; from G. M. Mandato, 201 Neck Rd., Albany Ave. $2,444, and Newport St. $3,355; from Grimm Contg. Co., 8538 107th St., Richmond Hill, East 42nd St., $2,316; from J. D. Norton, 20 Sterling Pl., East 19th St., $796; from B. Turecamo Contg. Co., 8706 16th Ave., Stillwell Ave. $91,296, 19th Ave. $3,445, 21st Ave. $4,458, 68th St. $11,741, and 84th St. $9,637, from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., East 19th St., etc., $13,731, Avenue M

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Streets and Roads (Continued)

and Avenue T $6,131; from Cranford Co., 92 9th St., Newport St. $11,562, Pine St., etc., $6,963, Rockaway Parkway $22,430, and Winthrop St. $36,606. Noted Feb. 10.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Feb. 18, from Asphalt Constr. Co., 208 Bway., granite block paving Boston Rd., $324,909; from C. D. Beckwith, Inc., Seneca Ave. and Edgewater Rd., asphalt paving Walton Ave. $25,969, and Popham Ave. $23,960, from Gaffney Constr. Co., Storey and Hermany Aves., Burke Ave. $62,930; from Gramaglia Bros., 48 East Kingsbridge Ave., grading, sidewalks, etc., Dewey Ave. $6,895, and Woods Ave. $13,755, from M. Del Balso, 2551 Cruger Ave., Hennessy Pl. $10,150, Hone Ave. $7,727 and Brady Ave. $22,252. Noted Feb. 10.

N. Y., St. George—J. Lynch, pres. Richmond Boro, Boro Hall, Feb. 16, resetting curb and sidewalks on Richmond Terrace, etc., from Vanbro Constr. Co., 20 Elizabeth St., Port Richmond, $1,186; 2nd hand granite block paving Hylan Blvd., and grading Hylan Blvd. at New Dorp, from Stapleton Contg. Co., 78 Taylor St., West New Brighton, $3,010 and $32,513 respectively. Noted Feb. 10.

Contracts Awarded

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, curbing, flagging Brooklyn Ave., to Grimm Contg. Co., 8538 107th St., Richmond Hill, $2,914; 62nd and 73rd Sts., to W. J. McHale Contg. Co., 120 Jefferson St., $4,207 and $2,134 respectively. Grand total $9,255. Noted Feb. 17.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, to T. L. Flanagan, 531 East Girard St., grading Agusta, Belden, Benner, Frontenac, and Shisler Sts. $12,426, to Dewees Bros., 7200 Shelburne St., Alcott, Anchor, Carver, Cheltenham, Colgate, Hasbrook, Rosalie, Sanger and Sentner Sts. $9,784, Ferndale and Fuller Sts. $2,958, Unruh Rd., Knorr, Loughlin and Montour Sts. $24,933, Rockland St. $3,525, and 15th St. and 73rd Ave. $1,511, to Ballinger & Dougherty, 3741 Kensington St., Brighton, Disston, Loretta and Princeton Sts. $5,597, Ryan St. $11,258, and Shelmire St. $2,260, to T. H. Neely, 1619 South 28th St., Bucknell St. $458, to J. Herzog, 4314 Old York Rd., Champlost, Cora, Fern, Godfrey, Hope, Howard, Linton, Mascher, Roselyn, Rosemar, Sparks, Spencer, Widener and 3rd Sts. $47,434, Cedarbrook, Pickering, and Provident Sts., 76th, 77th, 78th, and 79th Aves. $12,926, Gilbert, Gorgas, Maryland and Mohican Sts. $6,565 Whitaker St. $4,599, and 20th St. $2,602, to F. V. Monaghan, Inc., Water St. and Clarkson Ave., Clearview St. $185, to W. A. Miele & A. E. Perna, 6428 Callowhill St., Daggett and Media Sts. $3,560, to F. Mark Constr. Co., North Winghocking St., Duval St. $1,942 Pleasant St. (east) $3,703, to L. Dolente, 5122 Master St., Euclid, Morse, 52nd and 53rd Sts. $11,536, to Wilson-Martin, Inc., 1501 North 2nd St., Gaul, Memphis and Miller Sts. $2,674, also Rubicam and Shedaker Sts. $1,121, to W. H. Riddle, 1110 South 31st St., Graham, Hobart, Melvin, Redfield, Salford, Wanamaker, Intersection of Ithan, 57th and Ithan Sts. $6,407, to Morrissey Bros., 4336 North Marshall St., Keyser St. $1,635, to J. F. Malloy, 15 East Mermaid St., Mt. Airy St. $18,372, to J. Ciccone, 5734 West Minster St., Sansom St. $1,559, and Wynnefield St. $638, and to McCarrick Bros., 3240 Fox St., 18th and 66th Aves. $8,160; to Municipal Constr. Co., Washington Sq. Bldg., improving Apple (country) Rd. $1,427, Aurania, Summit and Dearnley Rds. $18,557, Brighton, Disston and Princeton Rds. $27,418, and Loretta Rd. $11,651, to A. J. Henderson, Washington Lane and Reading Rd., Gay Rd. $2,162, and to M. G. Neely, Inc., Bustleton (Sta. Phila.), Longshore Rd. $3,296; to J. Zecca & Co., 6441 Vine St., curbing and footway work (property owners to pay) in Dist. 1 $13,520, and Dist. 2, $6,053, also to F. C. Graham, 5707 North 7th St., Dist. 3 $9,928. Grand total $305,340.

W. Va., Morgantown—Monongalia Co., paving 1 mi. State Route 7, Battelle Dist., 16 ft., to W. A. Wilson Sons Co., St. Marys, $52,981.

Ala., Birmingham — City Comn. (e.e. means engrs. est.), asphalt surfacing 8 blocks 24th St., to Dunn Constr. Co., Lincoln Life Bldg., $26,585 e.e. $27,500; asphalt on concrete paving 4 blocks 31st St., Ensley, to Morgan-Hill Paving Co., Woodward Bldg., $34,193 e.e. $35,100; 3 blocks 10th St. N., to H. M. Bowdry, Alabama Power Co. Bldg., $22,617 e.e. $25,200; 1 block 41st Alley, to Henning & Bragan, Amer. Trust Bldg., $1,731 e.e. $1,731; 3 blocks Morris Ave., to Independent Paving Co., Amer. Trust Bldg., $6,416 e.e. $7,200; 1 block 16th Ave. and 3 blocks 29th St., Ensley, to Southern Roads Co., Pioneer Bldg., $3,080 and $15,088 respectively e.e. $3,500 and $15,500 respectively. Grand total $109,710. Noted Sept. 23.

Louisiana — State Hy. Comn., Baton Rouge, concrete paving 13.654 mi. Federal Aid Project 168 A, East Baton Rouge Parish, to Janes Constr. Co., 805 Trunk St., Dallas, Tex., $422,402. Noted Dec. 2.

Tenn., Nashville—Davidson Co. will oil surface various roads, by day labor. To exceed $25,000. S. Marshall, Court House, supt. highways.

O., Columbus—O. Moore, clk. Franklin Co., to Watters & Freemas, 210 No. 180 North High St., grading and vibrated concrete paving 672 ft. Denver Ave. $5,735, 1,630 ft. Harding Rd. $15,834, 1,135 ft. Virginialee Rd. $9,218, and 1,479 ft. Edgewood Rd. $12,462, all foregoing 18 ft., in Truro Twp.; to Cleveland Trinidad Paving Co., Theatre Bldg., grading and sheet asphalt paving, etc., 0.22 mi. Olentangy Blvd. 2 $22,157, and 0.37 mi. Cooke Ave. $32,162, both 30 ft., in Clinton Twp. Grand total $97,568. Noted Feb. 3.

Kan., Lincoln — Lincoln Co., grading, bridging, etc., 3.872 mi. Federal Aid Project 362-A, to Campbell Bros., 609 Manufacturers Bldg., Kansas City, Mo., $32,989. Noted Jan. 27.

North Dakota — Ward Co. (Bowbells) and Burke Co. (Minot), grading 0.997 mi. roads east of Bowbells, to Schultz Bros., Bowbells, $98,361.

Missouri — State Hy. Comn., Jefferson City, to C. P. O'Reilly Constr. Co., St. Louis, 30 ft. grading 10.013 mi. Jefferson City-St. Louis Rd., Cole Co. $251,313, to V. C. Cossota, Oklahoma City, Okla., 4.646 mi. Carrolton-Tina Rd., Carroll Co. $50,202, to C. F. Johnson & Son, Buffalo, 0.393 mi. Salem-Cuna Rd., Dent Co. $7,604, to DeGraffen Reid & Son, Bagnell, 4.427 mi. Quincy-North Rd., Hickory Co. $12,012, to Thomas & Johnston, Doniphan, 0.974 mi. Grandin North Rd., Carter Co. $23,285, to Maxwell Constr. Co., Columbus, Kan., 0.532 mi. Kansas City-St. Joe Rd., Platte Co. $5,553, to Bryant-Rollins Road Co., Waynesville, 4.762 mi. Bloodland South Rd., Pulaski Co. $18,244, to M. E. Gillioz, Monett, 2.815 mi. Salem-Cuba Rd., Dent Co. $60,304, to J. A. Kerns Co., Ozark, 3.866 mi. Springfield-St. Louis Rd. $10,572, and 7.045 mi. road from Springfield east $24,115, both Greene Co.; to Davis Constr. Co., Boonville, 30 ft. grading and 9 ft. concrete paving 6.531 mi. Fulton-Mexico Rd., Calloway Co. $116,578, and 2.135 mi. same road, Audrain Co. $38,565; to Pope Constr. Co., Jefferson City, 30 ft. grading and 18 ft. concrete paving 1.672 mi. Thru California Rd., Moniteau Co., $35,075; to Trogdon Bros., Quincy, Ill., 18 ft. graveling 1.5 mi. St. Joseph-Hannibal Rd. $1,148, and 9.258 mi. Macon East Rd. $17,133, Macon Co., to J. P. Sparks, Kirkwood, 7.461 mi. Greenville North Rd., Wayne Co. $15,452, to H. A. Worman, Pittsfield, Ill., 6.427 mi. Marceline-Route U. S. 36, Linn Co. $14,097, to Knox & Penzel, Jackson, 3.044 mi. roads from Longtown north and south, Perry Co. $30,253, to Serv. Constr. Co., Poplar Bluff, 6.801 mi. Puxico North Rd., Stoddard Co. $27,956; to G. W. Condon Co., Omaha, Neb., 2.231 mi. Keytesville West Rd., Chariton Co. $41,006; to R. H. Sharp, Reed Springs, 18 ft. chats surfacing 4.48 mi. road from Greenfield north and south, Dade Co. $35,663, and to Winstead & Gunter, Siloam Springs, Ark., 3.938 mi. same road $33,498. Grand total $869,609. Noted Feb. 17.

Mo., St. Louis—Bixby-Smith, Inc., 316 North 8th St., 8 mi. concrete paving and sidewalks, 8 mi. sewers, 4 mi. water mains, also lighting system, etc., for Osage Hills Country Club, Big Bend Blvd., etc., in Osage Sub-Division, to Frazier-Davis Constr. Co., Arcade Bldg. Engrs. est. $300,000.

Ark., El Dorado—Grading, concrete paving, etc., 14 blocks Paving Dist. 23, to Phoenix Constr. Co., Homer, La., $52,142. This corrects report in Feb. 3 issue.

Tex., Clarendon — Asphalt or bitulithic paving 10 blocks various streets, to Panhandle Constr. Co., Lubbock, $35,000.

California—State Hy. Comn., Sacramento, grading, etc. approximately 0.26 mi. road at Mossdale Bridge, San Joaquin Co., to J. E. Johnston, Stockton, $27,548, engrs. est. $22,595; also grading and placing water bound macadam base on approaches to Carlsbad overhead crossing at Carlsbad, San Diego Co., to C. E. Crowley, Pacific Electric Bldg., 610 South Main St., Los Angeles, $12,654. Engrs. est. $14,783. Noted Feb. 17.

Calif., Hawthorne—To Oswald Bros., 366 East 58th St., Los Angeles, improving Jefferson Ave., 9,386 lin.ft. curbing at $0.44 per lin.ft., 46,583 sq.ft. sidewalk $0.145, 15,370 sq.ft. 8 in. concrete paving $0.24, etc., total $44,660. Noted Feb. 17.

Calif., Los Angeles—Bd. Pub. Wks., curbing, walks, asphaltic concrete and Willite asphalt paving Cabrillo Ave. between 12th and 22nd Sts., also concrete and asphaltic concrete paving Banning Blvd. between M and J Sts., to Griffith Co., 502 Los Angeles Railway Bldg., $48,619 and $33,062 respectively; improving Marvin Ave. between Venice Blvd. and Adams St., also Pleasant St. between Macy and 1st Sts., to G. R. Curtis Paving Co., 2440 East 26th St., $443,534 and $36,218 respectively: curbing, walks, concrete and asphaltic concrete paving Kester Ave. between Lot 68, Tract 1532 and Valley Heart Dr., to G. W. Ellis, 1005 Kenneth Rd., Glendale, $92,610; also sheet asphalt and asphaltic concrete paving, etc. Crestmore Ave., to McCray Co., Subway Terminal Bldg., $57,767. Grand total $711,810. Noted Feb. 17.

Calif., Los Angeles — Supervs. Los Angeles Co., grading and concrete paving, etc. 320,679 sq.yd. Centinella Ave., to I. E. Chapman, 437½ North Beverly Blvd., $79,288. Noted Feb. 27.

Ont., Hamilton—Council will pave with asphalt Queen St., Fairfield and Newlands Aves., by day labor, under direction of W. McFaul, city engr. $60,000. Noted Feb. 10.

Cuba—Special Bd. Award of Cuban Government, improving 750 mi. Central Highway, to Warren Bros., 9 Cambridge St., Boston, Mass., approximately $75,000,000. Noted Jan. 13.

Buildings—Commercial

Proposed Work

N. H., Portsmouth—HOTEL—Rockingham Hotel takes bids about Mar. 1. 5 story and basement, rein.-con. and brick, plain foundation, State St. $150,000. J. R. Richardson, 56 Grove St., Dover, archt. Dow, Harlow & Kimball, 184 Boylston St., Boston, Mass., consult. archts. Noted Dec. 24.

Mass., Cambridge (Boston P. O.)—THEATRE, STORE and OFFICE — Porter Realty Co., c/o G. N. Jacobs, archt., 9 Bosworth St., Boston, having plans prepared 2 story and basement, 110 x 150 ft., brick, steel and stone, plain foundation, 2009 Massachusetts Ave., here. $350,000.

Mass., Charlestown (sta. Boston) — MUNICIPAL — City of Boston, J. P. Englert, comr. Dept. Pub. Buildings, City Hall, plans municipal building, here. $500,000. Engineer and architect not selected.

Mass., Dedham—POLICE STATION—Town, J. R. Delaney, chn. com., plans police station. $150,000. Engineer and architect not selected.

Mass., Dorchester (Boston P. O.) — MUNICIPAL—City of Boston, Dept. Pub. Buildings, J. P. Englert, comr., plans municipal building, here. $500,000. Engineer and architect not selected.

Mass., Lawrence — BUSINESS — D. F. Conlon, 482 Lowell St., plans 4 story and basement, brick, Bway. $150,000. Engineer and architect not selected.

Mass., Malden (Boston P. O.)—APARTMENT HOTEL, etc.—Syndicate c/o J. S. Draper, 209 Washington St., Boston, plans 8 story and basement, brick and steel apartment hotel, store and office building. $3,000,000. Engineer and architect not selected.

Mass., Medford (br. Boston) — STORE and OFFICE — A. Koniares, 45 Prospect St., Malden, having sketches made by C. F. Springall, 50 Concord St., Malden, 3 story and basement, brick, plain foundation, Main St. near Medford Sq., here. $150,000.

Mass., Northampton—COURT HOUSE—Comrs. Hampshire Co. plans court house addition. $150,000. Engineer and architect not selected.

Mass., Quincy (Ind. br. Boston) — APARTMENT — W. W. Wilson, 665 Hancock St., having sketches made 3 story and basement, brick and stone, plain foundation, Wollaston Dist. $150,000. Private plans.

Mass., Roxbury (Boston P. O.)—APARTMENT—Artruss Realty Co., A. Berghein, 18 Park View St., having plans prepared by S. E. Moffie, 51 Cornhill, Boston, 3 story and basement, 125 x 135 ft., brick and stone, plain foundation, Elm Hill Ave. and Hutchins St. $175,000.

Mass., Roxbury (sta. Boston) — HOSPITAL — Owner, c/o J. W. Beal Sons Co., archts., 185 Devonshire St., Boston, having plans prepared 2 story and basement, brick, Evergreen St. and South Huntington Ave., here. $150,000.

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Buildings—Commercial (Continued)

Mass., Somerville (br. Boston)—STORE and OFFICE—Snider & Druker, 18 Tremont St., Boston, plan 3 story and basement, brick and stone, plain foundation, Elm and Chestnut Sts. $150,000. Engineer and architect not selected.

R. I., Pawtucket — THEATRE and STORE — T. J. Whalen, Japonica St., had plans prepared by A. Humes, 332 Main St., 1 and 2 story and basement, brick and steel, plain foundation, Bway. $150,000.

Conn., Bridgeport — STORE — Howland Dry Goods Co., Main and Cannon Sts., having plans prepared by I. Allen, Jr., 100 Farmington Ave., Hartford, 5 story, brick, stone, and steel addition, Fairfield Ave. $500,000. C. A. Wheeler, 6836 Bennett Ave., Chicago, Ill., engr.

Conn., Norwich — TEMPLE — Masonic Temple Corp., H. L. Stanton, pres., having preliminary plans made by Cudworth & Thompson, Disco Bldg., brick, stone and steel, Washington and Sachem Sts. $300,000. Noted Feb. 3.

Conn., Norwich — WARDS — State of Connecticut, F. S. Wilcox, supt. Norwich Hospital for Insane, plans 2 brick and steel ward buildings, accomodating 250 patients. $400,000. Engineer and architect not selected.

Conn. Waterbury — WAREHOUSE — Albert Furniture Co., 268 South Main St., plans 6 or 7 story, rein.-con., brick and steel, South Main St. $150,000 or more. Engineer and architect not selected.

N. Y., Albany—STORE and OFFICE—T. A. Geary, 130½ Hudson Ave., having plans prepared by T. A. Gleason, 45 Maiden Lane, 2 story, 60 x 110 ft., brick, Hudson Ave. and Eagle St. $150,000.

N. Y., Cornwall—HOSPITAL—Cornwall Hospital, S. J. Horobin, chn. building com., having plans prepared by York & Sawyer, 100 East 42nd St., New York City, 4 story, brick, steel and stone, plain foundation, Island View Park. $250,000.

N. Y., New York — APARTMENT — Pelham Parkway Taxpayers Assn., c/o B. H. Whinston, 6 East 40th St., archt., having plans prepared 6 story, brick, steel and stone, plain foundation, Pelham Parkway, $200,000.

N. Y., New York—APARTMENT—Alsaul Holding Co., c/o C. Kreymborg & Son, archts., 2534 Marion Ave., having plans prepared 6 story, brick, steel and stone, plain foundation, Bathgate Ave. $200,000.

N. Y., New York—AUTO SERVICE and REPAIR SHOP—T. Luce, Inc., c/o Parker & Shaffer, archts. and engrs., 280 Madison Ave., soon takes bids 10 story, rein.-con., brick and steel, plain foundation, 533 West 57th St. $500,000.

N. Y., Syracuse—SALESROOM, SERVICE STATION and WAREHOUSE—R. C. Purcell, mgr., White Motor Co., 1107 West Genesee St., takes bids about Apr. 1, 2 story, 3,000 sq.ft. floor space, brick and steel, plain foundation, 1124 West Genesee St. $200,000. Private plans.

N. J., Camden—DEPARTMENT STORE—Kaighn Ave. Business Mens Assn., S. Goldstein, vice pres., 417 Kaighn Ave., having tentative plans prepared community department store, Bway. and Kaighn Ave. $2,000,000.

N. J., Elizabeth—HOTEL—Chamber of Commerce Hotel Corp., c/o W. L. Stoddart, archt., 50 East 41st St., New York City, having plans prepared brick, stone and steel, plain foundation, North Broad and Magnolia Sts., here. $1,500,000. Noted Feb. 3.

N. J., Jersey City—TERMINALS—New Jersey Industrial Terminals, Bonnano Realty Corp., 388 Bergenline Ave., West New York, plans two 10 story, brick, steel and rein.-con., plain foundations, Cole and 17th Sts. $7,000,000. C. E. Ward, 988 Bergenline Ave., West New York, engr.

N. J., Newton—HOSPITAL—Newton Bd. Trade, W. J. Doland, chn., plans hospital. $300,000. Engineer and architect not selected.

N. J., Trenton—OFFICE—J. A. Roeblings Sons Co., 612 South Broad St., having plans prepared by Hoggson Bros., archts. and engrs., 485 5th Ave., New York City, 3 story, brick and steel, plain foundation, South Broad St. $300,000.

Pa., Phila. — THEATRE, etc. — March Realty Co., 1241 Chestnut St., having plans prepared by A. F. Gilbert, 358 5th Ave., New York City, N. Y., motion picture theatre, bank and store building, Germantown and Hunting Park Aves. $200,000.

Pa., Pittsburgh—HOTEL—William Penn Hotel, William Penn Pl., having plans prepared 25 story and basement, steel addition, Grant St. between Oliver Ave. and 6th St. $5,000,000. J. Breslove, Oliver Bldg., consult. engr.

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D. C., Wash. — HOME — Washington Home for Foundlings, having plans prepared by A. B. Heaton, 1211 Conn. Ave. N. W., for "Helen and Mary E. Warwick Memorial," 10th and Florida Aves. N. W. $300,000.

N. C., Asheville—BANK and OFFICE—Wachovia Bank & Trust Co. purchased site and plans large bank and office building, Patton Ave. and Church St. To exceed $150,000.

N. C., Knollwood (mail Aberdeen) — HOTEL—Pinehurst, Inc., Pinehurst, plans Pine Needle Inn, 300 room hotel, also 18 hole golf course, etc., here. $600,000. L. Tufts, pres.

N. C., Raleigh—OFFICE—Citizens Natl. Bank plans 11 story and basement addition, Fayetteville and Market Sts. $500,000. T. H. Calvert, officer.

Fla., Clearwater—HOTEL—J. E. Paterson, c/o L. F. Urbain, archt., 1254 Lake Shore Dr., Chicago, Ill., having plans prepared 4 story and basement, 50 x 127 ft., rein.-con., brick and stone hotel and store building, here. $185,000.

Fla., Jacksonville — APARTMENT — Albany Hotel Apartments, Inc., 211 Main St., having plans prepared by R. A. Benjamin, Bisbee Bldg., 21 story, 100 x 205 ft., rein.-con., brick and steel, wood pile foundation. Ocean and Monroe Sts. $3,000,000. Engineer not announced.

Fla., Jacksonville—WAREHOUSE—H. J. Klutho, archt., St. James Bldg., soon lets contract remodeling and constructing 4 story, 70 x 90 ft., rein.-con., and brick addition, concrete pile or wood pile foundation, 30½ West Bay St., for H. & W. B. Doew Co., 30½ Bay St. $150,000-$200,000.

Ala., Dothan—HOTEL—Newsom Hotel, J. C. Waddington, mgr., had preliminary plans prepared by C. C. Younge, Amer. Natl. Bank Bldg., Pensacola, Fla., remodeling and constructing hotel addition. $150,000.

Ky., Louisville — THEATRE — Henning Chambers & L. Jones, 431 West Jefferson St., plans 120 x 175 ft. theatre building with 40 x 90 ft. entrance, 600 Block 4th Ave. $750,000.

O., Cincinnati—HOME—Hamilton Co. having plans prepared by Rendigs, Panzer & Martin, Southern Ohio Bank Bldg., 4 story and basement, brick and rein.-con. home for aged, plain foundation, Springfield Pk. $250,000.

O., Columbus — TELEPHONE EXCHANGE—Ohio Bell Telephone Co., E. F. Morrill, engr., 4300 Euclid Ave., Cleveland, having plans prepared by F. A. Ward, 4300 Euclid Ave., Cleveland, 1 story, 75 x 80 ft., brick, rein.-con., Oakland Park Ave., here. $150,000.

O., Dayton—GARAGE—Officers Daytonia Garage Co., 20 West 2nd St., take bids about Mar. 15, 4 story and basement, 80 x 198 ft., brick, steel and concrete addition, 32 West 2nd St. $200,000 Schenk & Williams, 3rd Natl. Bldg., archts.

O., Dayton—Trustees Y. M. C. A., 447 West 5th St., soon takes bids 99 x 300 ft., new boys division building, Monument Ave. $500,000. Schenck & Williams, 3rd Natl. Bldg., archts.

O., Willoughby — COTTAGES — Knox & Elliot, archts., Engineers Bldg., Cleveland, soon lets contract four 2 story and basement, 38 x 68 ft., brick and steel cottages, here, for Andrews Institute for Girls. $150,000.

O., Youngstown — TELEPHONE EXCHANGE—Ohio Bell Telephone Co., E. F. Morrill, engr., 4300 Euclid Ave., Cleveland, having plans prepared by F. A. Ward, 4300 Euclid Ave., Cleveland, 1 story, 75 x 80 ft., brick and rein.-con., here. $150,000.

Ind., Anderson — APARTMENT — L. T. Stebbing having plans prepared by E. F. Miller, Anderson 3 and 4 story, 144 x 144 ft., rein.-con. and brick, plain foundation, 12th and Lincoln Sts. $160,000.

Ind., Bridgeport—HOSPITAL—Marion Co. Tuberculosis Assn., A. Henry, pres. building com., 720 Hume-Mansur Bldg., Indianapolis, having preliminary plans prepared by D. Graham, 1126 Hume-Mansur Bldg., Indianapolis, brick and steel hospital, incl. administration building, here. $700,000.

Ind., Culver—HOSPITAL—Culver Military Academy having preliminary plans prepared by A. Knell, 5661 Natural Bridge Rd., St. Louis, Mo., brick and steel hospital and administration buildings. $250,000.

Ind., Evansville — OFFICE, APARTMENT and SHOP—Claremont Building Corp. had plans prepared by Fowler & Karges, 707 Furniture Bldg., and takes bids about Mar. 1, 2 story and basement, 50 x 150 ft., rein.-con., brick and steel office, shop and apartment building. $150,000. Noted Dec. 16.

Ind., Ft. Wayne—HOTEL—Owner, c/o L. E. Burkett, archt., Standard Bldg., having preliminary plans prepared hotel, Lake Wawasee, $250,000.

Ind., Gary—CITY HALL—City having plans prepared by P. B. Maher, 157 East Erie St., Chicago, Ill., 3 story and basement city hall. $200,000.

Ind., Hammond—HOTEL—A. Brodious, c/o L. F. Urbain, archt., 1254 Lake Shore Dr., Chicago, Ill., having plans prepared 10 story and basement, 50 x 100 ft., rein.-con. and brick, here. $350,000.

Ind., Indiana Harbor (mail East Chicago)—HOTEL—A. Honoroff, c/o L. F. Urbain, archt., 1254 Lake Shore Dr., Chicago, Ill., having plans prepared 4 story and basement, irregular shaped. Dunes Highway and Michigan Ave., here. $175,000.

Ind., Indianapolis — APARTMENT and STORE—C. F. Kries, 802 City Trust Co., having plans prepared by Doeppers & Lennox, 226 East Michigan St., 8 story, rein.-con., brick and steel, Pratt and Penn. Sts. $200,000.

Ind., Irvington (Sta. Indianapolis) — APARTMENT—H. E. Smith, Castle Hall, Indianapolis, had plans prepared brick and steel apartment, here. $150,000. Private plans.

Ind., Michigan City—CLUB HOUSE—Pottawattamie Park Country Club, 28 East Jackson Blvd., Chicago, Ill., plans club house and 18 hole golf course, here. $200,000.

Mich., Detroit — APARTMENT—Owner, c/o J. I. Weinberg, 514 Free Press Bldg., having plans prepared 4 story and basement, 100 x 105 ft., brick and steel, plain foundation, Strathmore Rd. $150,000.

Mich., Detroit—FIRE HOUSE—Bd. Fire Comrs., H. Brabyn, secy. plans 2 story, rein.-con., brick and steel, plain foundation, incl. engine house, Larned and Wayne Sts. $450,000. Engineer and architect not selected.

Mich., Detroit — HOSPITAL — Womans Hospital, F. H. Holt, pres., East Forest Ave., plans 3 story and basement, 300 beds, rein.-con., brick and steel addition, plain foundation, East Forest and Beaubien Sts. $1,250,000. Engineer and architect not selected.

Ill., Chicago—APARTMENT HOTEL—H. H. Koven, et al., 140 North Dearborn St., having plans prepared by D. Schaffner, 64 West Randolph St., 8 story and basement, 100 x 166 ft., rein.-con. and brick, Wellington Ave. near Sheridan Rd. $1,300,000.

Ill., Chicago—CLUB—Romany Club, 20 West Jackson Blvd., having sketches made by Roberts & Roberts, 105 North Clark St., 12 story club for actors. $2,000,000.

Ill., Chicago — DETENTION HOME — Dept. Pub. Wks., Room 406, City Hall, having plans prepared by A. E. Robinson, City Hall, and takes bids about Feb. 25, 2 story and basement, 81 x 161 ft., rein.-con. and brick, Loomis and Monroe Sts., also remodeling and completing old building. $200,000.

Ill., Chicago—HOSPITAL—Chicago Eye, Ear, Nose & Throat Hospital, Franklin and Washington Sts., having plans prepared by A. S. Alschuler, 28 East Jackson Blvd., 10 story hospital, Franklin and Washington Sts.

Ill., Chicago—OFFICE and BOARD of TRADE—Chicago Bd. of Trade, 141 West Jackson Blvd., having preliminary plans prepared by Holabird & Roche, 104 South Michigan Ave., 43 story, 174 x 225 ft., West Jackson Blvd., La Salle, Sherman and West Van Buren Sts. $7,500,000. Noted Feb. 17.

Ill., Marion—HOTEL—G. S. Jackman & Co., 1123 Boatmen's Bank Bldg., St. Louis, Mo., having preliminary plans prepared by Manske & Bartling, 410 North Euclid Ave., St. Louis, Mo., 5 story and basement, brick and rein.-con. hotel. $200,000.

Wis., Appleton — THEATRE — Saxe Amusement Enterprises, 530 Grand Ave., Milwaukee, plans 2 story and basement, brick, steel and concrete, plain foundation. North Oneida St. $350,000. Engineer and architect not selected.

Wis., Milwaukee—STORE—Kunzelmann-Esser Co., 460 Mitchell St., having plans prepared by Herbst & Kuenzli, 130 Grand Ave., 8 story and basement, 32 x 90 ft., brick and concrete addition, plain foundation. $200,000.

Wis., Milwaukee—STORE and APARTMENT — Conrad-Thoma Realty Co., 429 Bway., plans 8 story and basement, 102 x 145 ft., brick and concrete, plain foundation, Grand Ave. $600,000. Engineer and architect not selected.

Minn., Minneapolis — OFFICE — W. B. Foshay Co., 9th St. and 2nd Ave. having plans prepared by Magney & Tusler, 126 South 9th St., 12 story and basement building incl. first 6 stories 70 x 70 ft., next four 50 x 50 ft., and last two 30 x 30 ft., rein.-con., brick and Bedford stone, 9th St. between Marquette and 2nd Aves. $750,000.

Buildings—Commercial (Continued)

Mo., Jefferson City—OFFICE—State Hy. Dept. making preliminary plans 3 story and basement, rein.-con., brick, steel and stone office building. $500,000.

Mo., Joplin—HOTEL—Atlas Hotel Co., 4th and Main Sts., having plans prepared by A. H. Gentry, 9th and Delaware Sts., Kansas City, Connor Hotel addition, 4th and Main Sts. $150,000.

Mo., St. Joseph—HOTEL—J. Goldman and associates, c/o Boller Bros., archts., 110 West 14th Sts., Kansas City, having preliminary plans prepared 8 story and basement, rein.-con. and terra cotta hotel, here. $1,000,000.

Mo., St. Louis—CLUB HOUSE—Westwood Country Club plans club house and 36 hole golf course. $250,000.

Mo., St. Louis—COMMERCIAL—Syndicate forming, c/o D. G. Gibson, 311 Times Bldg., having preliminary plans 5 story, 104 x 124 ft. top addition, 10th and Locust Sts.

Mo., St. Louis—GARAGE—Southwestern Bell Telephone Co., 11th and Pine Sts., takes bids after Mar. 15, 2 story, 90 x 100 ft., rein.-con., Chouteau Ave. and Tiffany St. I. R. Timlin, 1917 Southwestern Bell Telephone Bldg., archt.

Mo., St. Louis—GARAGE—M. Teich & C. C. Roessler, c/o Jefferson Hotel, 12th and Locust Blvds., having preliminary plans prepared by F. J. Teich, 64 West Randolph St., Chicago, Ill., and T. P. Barnett Co., Arcade Bldg., 6 story and basement, rein.-con. and brick, 13th and St. Charles Sts. $1,000,000.

Mo., St. Louis—STORE—Stix, Barr & Fuller Dry Goods Co., 6th St. and Washington Ave., plans 8 story and basement, 105 x 160 ft., rein.-con., brick and steel, 7th St. and Lucas Ave. $1,000,000.

Mo., University (sta. St. Louis) — LODGE—Knights of Columbus, c/o A. J. Johnson, 6514 Joseph Ave., had plans prepared by A. J. Johnson, 1321 Central Natl. Bank Bldg., St. Louis, 4 story and basement, 50 x 90 ft., rein.-con., brick and terra cotta lodge, incl. stores and gymnasium, etc., Bartmer and Sutter Aves. $150,000.

Ark., Bentonville — COURT HOUSE — Benton Co., c/o W. R. Edwards, judge, having plans prepared by A. O. Clark, Rogers, 3 story, rein.-con., brick and stone court house. $200,000. Noted Dec. 30.

Tex., Amarillo—BUSINESS—A. Davidson having preliminary plans prepared 5 story, rein.-con. and brick, plain foundation, West 6th St. $350,000.

Tex., Big Spring—HOTEL—A. J. Crawford, Carlsbad, N. M., having plans prepared by Trost & Trost, Two Republics Bldg., El Paso, and soon takes bids 2 story, rein.-con. and brick, plain foundation. $200,000. Two elevators.

Tex., Corpus Christi—HOTEL—Princess Louise Hotel Co. takes bids about Feb. 25, 5 story, 110 x 115 ft., rein.-con., tile and stucco, plain foundation. $300,000. W. W. Watkin, 212 Scanlon Bldg., Houston, archts.

Tex., Dallas—HALL of RECORDS—F. H. Alexander, judge Dallas Co., plans 5 story and basement, 100 x 200 ft., steel, Elm and Main Sts. $600,000. Lang & Witchell, Amer. Exch. Bank Bldg., engrs. and archt. Noted Jan. 13.

Tex., El Paso — HOSPITAL — Masonic Lodge, c/o E. W. Kayser, chn. building com., having preliminary plans prepared 6 or 8 story, rein.-con. and brick, plain foundation. $500,000. Private plans.

Tex., Midland—STORE and OFFICE—J. B. Thomas, having preliminary plans prepared by D. S. Castle Co., 701-4 Alexander Bldg., Abilene, 3 story and part basement, rein.-con., brick and steel, plain foundation. $150,000. Steam heating, ventilating, elevators, boilers, artificial stone, face brick, metal lathe, flooring, roofing, paint, pipe and waterproofing.

Tex., San Angelo—COURTHOUSE—Tom Green Co., J. F. Mathison, judge, election soon $400,000 bonds, 3 story and basement, fireproof courthouse.

Tex., San Antonio — BUSINESS — E. L. Altgelt, et al, c/o Aztec Bldg., purchased site and having preliminary plans prepared fireproof, Houston St. near Soledad St. $300,000. Private plans.

Tex., San Antonio—BUSINESS—O. H. Timmins, J. B. Herff, et al, c/o Medical Arts Bldg., purchased site and having plans prepared by R. H. Cameron, 1116 City Natl. Bank Bldg., 20-25 story and part basement, rein.-con., brick, stone and steel, plain foundation, Ave. E and 4th St.

Okla., Blackwell — MAUSOLEUM — I.O.O.F. Lodge having plans prepared by S. Lovell, 224 East Ontario St., Chicago, Ill., new mausoleum, 3rd St. $160,000.

Okla., Blackwell — THEATRE — Palace Theatre Co. having preliminary plans prepared by Smith & Senter, 401 Commerce Investment Bldg., Okmulgee, 2 story and basement, 50 x 140 ft., rein.-con. and brick, plain foundation, 2nd St. $150,000.

Okla., Chickasha—OFFICE—Southwestern Light & Power Co., Braniff Bldg., Oklahoma City, having preliminary plans prepared by Layton, Hicks & Forsythe, Braniff Bldg., Oklahoma City, 5 story and basement, 50 x 140 ft., rein.-con. and brick, plain foundation, 5th St., here. $150,000.

Okla., Seminole—HOTEL—R. H. Chase having preliminary plans prepared 3 story and basement, 50 x 140 ft., rein.-con. and brick, plain foundation, Oak St. $175,000. Engineer and architect not selected.

Okla., Shawnee — APARTMENT — A. Bloss, Okemah having preliminary plans prepared by M. T. Hardin, Muskogee, 3 story and basement, 50 x 140 ft., rein.-con. and brick, plain foundation, Beard St., here. $175,000.

Okla., Tonkawa — HOSPITAL — E. W. Marland, Ponca City, having preliminary plans prepared 3 story and basement hospital, Grand St., here. $300,000. Engineer and architect not selected.

Okla., Tulsa — APARTMENT — F. D. Griffith, archt., Nebraska Bldg., preparing preliminary plans 3 story and basement, rein.-con. and brick, plain foundation, Boulder St. $400,000. Owner's name withheld.

Okla., Wewoka — OFFICE — E. C. Aldridge having preliminary plans prepared 4 story and basement, 50 x 140 ft., rein.-con. and brick, plain foundation, Main St. $150,000. Engineer and architect not selected.

Ore., Portland — GARAGE — W. H. Feigenson, Worcester Bldg., had plans prepared by Sutton & Whitney, Lewis Bldg., 5 story, 100 x 200 ft., rein.-con. ramp garage, West Park and Taylor Sts. $300,000.

Calif., Berkeley—APARTMENT—D. M. Crooks, archt., Thayer Bldg., Oakland, preparing plans 3 story and basement, frame and stucco, incl. garage quarters, Virginia St. $200,000. Owner's name withheld.

Calif., Colma—PRODUCE TERMINAL—Interests represented by Norton & Papale, 3742 Mission St., San Francisco, plans produce terminal, Junipero Serra Blvd. and Mission St. $250,000 or more.

Calif., Culver City — STUDIO — United Artists Corp., 922 South Olive St., Los Angeles, J. M. Schenck, pres., plans group of motion picture studios, Jefferson Blvd. and Overland Ave., here. $750,000. Engineer and architect not selected.

Calif., Eagle Rock — HOME — A. G. Bailey, Hillstreet Bldg., Los Angeles, soon takes bids 3 story and basement, 105 room, rein.-con., Norwalk St., for California Home for Aged Women, c/o architect. $175,000.

Calif., Los Angeles—APARTMENT—C. Hookstra, c/o A. C. LeBrun, archt., 6362 Hollywood Blvd., having plans prepared 4 story and basement, brick, 47th and Figueroa Sts. $150,000.

Calif., Los Angeles—APARTMENT—I. Messenger, c/o C. E. LeBrun, archt., 6362 Hollywood Blvd., having plans prepared 4 story and basement, brick, North Normandie Ave. $150,000.

Calif., Los Angeles — CLUB — Wilshire Athletic Club, c/o S. Brown, archt., New Orpheum Theatre Bldg., having plans prepared 9 story and basement, rein.-con., pressed brick and terra cotta, La Brea Ave. $500,000.

Calif., Los Angeles — HOSPITAL — Hebrew Sheltering & Home for Aged Assn. having preliminary plans prepared by W. Allen, 914 Pacific Natl. Bank Bldg., 2 and 2½ story, 150 x 200 ft., rein.-con., 325 South Boyle Ave. $250,000.

Calif., Oakland—APARTMENT—D. and E. Haddon, c/o W. H. Weeks, archt., 369 Pine St., San Franoisco, having plans prepared 6 story and basement, rein.-con., Lake and Madison Sts. $250,000.

Calif., Oakland — APARTMENT — V. A. Dunn, c/o A. Young, archt., 339 15th St., having plans prepared 6 story and basement, rein.-con., Lake Merritt Dist. $165,000.

Calif., Oakland — CLUB — Claremont Country Club, c/o G. W. Kelham, archt., Sharon Bldg., San Francisco, having plans prepared rebuilding fireproof, Bway. and Clinton St., recently destroyed by fire. To exceed $150,000.

Calif., Oakland — OFFICE — Easy Bay Municipal Utility Dist., having plans prepared by E. T. Foulkes, Crocker Bldg., San Francisco, 4 story, brick and rein.-con., 26th St. $150,000 or more. Noted July 8.

Calif., San Francisco—APARTMENT—L. Blum, c/o Clausen & Amandes, Hearst Bldg., having preliminary plans prepared apartment, Herman St. near Buchanan St. $150,000.

Calif., San Francisco—APARTMENT—Seacliff Hotel Co., c/o J. L. Stewart, archt., 703 Market St., having plans prepared 3 story, frame and stucco, Seacliff Park. $225,000.

Calif., San Francisco—HOTEL—A. Penziner, 750 Taylor St., having plans prepared 6 story and basement, steel, brick or rein.-con. Bush and Gough Sts. $175,000. Private plans.

Calif., Stockton—LODGE and CLUB—B.P.O.E., 218 Elks Bldg., plans fireproof lodge and club building. To exceed $150,000.

Ont., London—COLISEUM—Western Fair Assn., Dominion Savings Bldg., W. D. Jackson, secy., plans rebuilding, concrete and steel coliseum, recently destroyed by fire. $500,000.

Ont., Ottawa—HOTEL—Canadian Natl. Rys., 230 St. James St., Montreal, Que., C. S. Gzowski, ch. engr. constr., soon takes bids addition to Chateau Laurier Hotel, Rideau St. $4,000,000. Noted Nov. 18.

Ont., Ottawa—MARKET—Plans 1 or 2 story concrete, brick, stone and steel buildings. $150,000. A. F. Macallum, City Hall, engr.

Ont., Ottawa—WAREHOUSES—H. N. Austiss, Harris Abattoir Co., Broad St., Garms Limited, and W. Davis Co. Ltd., plan warehouses, Besserer St. $200,000. Engineer and architect not selected.

Ont., Toronto — OFFICE — Commercial Lands & Buildings Ltd., c/o Campbell & Shepherd, Northern Ontario Bldg., having plans prepared by S. B. Coon & Sons, 4 St. Thomas St., 12 story, basement and penthouse, 48 x 104 ft., rein.-con., brick, steel and stone, plain foundation, Temperance and Bay Sts. $400,000-$600,000.

Bids Desired

Me., Saco—THEATRE and STORE — Mutual Fire Insurance Co., taking bids 1 and 2 story and basement, 100 x 110 ft., brick and steel, plain foundation, Thornton Ave. and Main St. To exceed $150,000. E. J. Bolen, Old Orchard, archt. Noted Feb. 3.

Mass., Cambridge (Boston P. O.) — APARTMENT—See "Contracts Awarded."

Mass., Medford (br. Boston)—THEATRE—See "Contracts Awarded."

Mass., Melrose (Ind. br. Boston) — APARTMENT—See "Contracts Awarded."

Mass., Salem — APARTMENT — See "Contracts Awarded."

R. I., Providence — BANK — Providence Institution for Savings, 86 South Main St., taking bids 1 story and basement, rein.-con., brick and steel, Olneyville Sq. $150,000. Jackson, Robertson & Adams, Turks Head Bldg., archts.

Conn., Hartford—FIRE STATION—City Fire Dept., 275 Pearl St., taking bids 2 story, 65 x 95 ft., brick and steel fire station. $150,000. Ebbetts & Frid, 15 Lewis St., archts. $150,000. Noted Nov. 18.

O., Cleveland Heights (Warrensville P. O.)—APARTMENT—N. H. Polster, c/o A. Soglovitz, 5217 Woodland Ave., taking bids 4 story and basement, 51 x 162 ft., and 45 x 69 ft., brick, 2477 Overlook Rd. $175,000. Private plans.

O., Columbus—APARTMENT—See "Contracts Awarded."

Ind., Gary—APARTMENT HOTEL—R. R. Cenek, 749 Bway., taking bids 4 story, 90 x 125 ft., brick and tile, Haynes and Garfield Sts., for Seville Court Apartment Corp. $150,000. W. C. Presto, 308 North Michigan Ave., Chicago, Ill., archt.

Ind., Marion — STORE — Blumenthal & Co. taking bids 3 story and basement, 65 x 133 ft., brick, steel and terra cotta department store. $150,000. A. M. Strauss, Tri-State Bldg., archt. Noted Dec. 16.

Mich., Detroit—JAIL—Mar 14, by Auditors Wayne Co., W Gutman, County Bldg., 6 story and basement, rein.-con., brick and steel, plain foundation. $1,000,000. A. H. Gould & Son, 602 Empire Bldg., archts. Noted Jan. 6.

Mich., Detroit—OFFICE—Feb. 28, by G. D. Mason & Co., archts., 80 Griswold St., 5 story and basement, 50 x 100 ft., rein.-con., brick and steel, plain foundation, Griswold and Jefferson Aves., for Union Co., c/o architects. $200,000.

Ill., Chicago—POLICE STATION, etc.—Mar. 16, by Dept. Pub. Wks., Room 406, City Hall, general contract 13 story and basement, 120 x 139 ft., brick and stone, 1121-31 South State St., for City. $1,500,000. A. E. Robinson, City Hall, archt. Noted Oct. 28.

Ill., East St. Louis—APARTMENT—See "Contracts Awarded."

Ill., Evanston — APARTMENT — W. H. Bell, 4336 South Kedzie Ave., Chicago,

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Buildings—Commercial (Continued)

taking bids 3 story and basement, 175 x 255 ft., brick, Ridge Ave. and Hull St., here. $500,000. Lindblad & Carlson, 155 North Clark St., Chicago, archts.

Ia., Davenport—BANK and OFFICE—Feb. 28 (extended date), by Klausen, Kruse & Klein, associated archts., 910 Kahl Bldg., 14 story and basement, 100 x 150 ft., rein.-con., stone and steel, plain foundation, for Amer Commercial & Savings Bank. $1,250,000. Weary & Alford, 1923 Calumet Ave., Chicago, Ill., archts. Noted Jan. 27.

Mo., St. Louis—APARTMENT HOTEL—See "Contracts Awarded."

Tex., San Antonio—CITY HALL—Mar. 3, by City Comn., remodeling and constructing 2 story, 70 x 140 ft., rein.-con. and steel, top addition, Military Plaza, $250,000. Adams & Adams, c/o Builders Exch. Bldg., archt. Noted Dec. 16.

Tex., San Antonio—HOTEL—See "Contracts Awarded."

Ore., La Grande—HOTEL—E. Kroner, archt., Odd Fellows Bldg., Portland, taking bids 4 story and 6 story tower, 116 x 135 ft., rein.-con. and brick hotel, here, for W. C. Becktell, Guaranty Bldg., Portland. $175,000.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., Los Angeles—GARAGE, STORE and OFFICE—See "Contracts Awarded."

Calif., Salinas—BANK—See "Contracts Awarded."

Contracts Awarded

Mass., Boston — BANK — Atlantic Natl. Bank, Post Office Sq., altering and constructing 1 story and basement, rein.-con., brick and steel addition, concrete foundation, Canal St., to E. A. Abbott Co., 3 Park St. Archts. est. $150,000. Noted Feb. 10.

Mass., Boston—STORE and OFFICE—Kohler Co., 445 C. St., South Boston, 7 story and basement, brick and steel, plain foundation, 7-9 Newbury St., to Chase & Gilbert, 200 Devonshire St. Archts. est. $150,000.

Mass., Brighton (Boston P. O.)—APARTMENTS—Brunswick Realty Co., 3 Lothian Rd., two 3 story and basement, 50 x 70 ft., brick and stone, plain foundation, 15-17 Lothian Rd., to Capobianco Constr. Co., 46 Cornhill, Boston. Archts. est. $150,000.

Mass., Cambridge (Boston P. O.) — APARTMENT—J. L. Cotter, 580 Massachusetts Ave., will build 4 story and basement, 85 x 115 ft., brick and stone, plain foundation, Avon and Martin Sts., by day labor. $175,000. H. Harlow, 4 Brattle St., archt. Noted Feb. 10.

Mass., Medford (br. Boston)—THEATRE—Syndicate, c/o C. F. Springall, archt., 84 Sprague St., Malden, will build 1 story and basement, brick and steel, plain foundation, Salem St. and Riverside Ave. $250,000. Work will be done by separate contracts. Noted Feb. 17.

Mass., Melrose (Ind. br. Boston) — APARTMENT—L. A. & P. C. Dow, 127 Upham St., will build 3 story and basement, brick and stone, plain foundation, Upham St. To exceed $150,000. Work will be done by separate contracts. Private plans. Noted Feb. 17.

Mass., Salem—APARTMENT—A. Smidt, 5 Smidt Ave., Peabody, will build 3 story and basement, 70 x 110 ft., brick and stone, plain foundation, Lafayette St. $150,000. Work will be done by separate contracts under supervision G. Fanning, archt., 221 Essex St. Noted Feb. 17.

N. Y., Albany — OFFICE — State Office Site & Building Comn., Executive Chamber, Capitol, 32 story, brick, steel and stone, plain foundation, Swan St., to Seglin Constr. Corp., 615 Walbridge Bldg., Buffalo, $2,538,198. Noted Jan. 20.

N. Y., Jamaica—Y. M. C. A., 347 Madison Ave., New York City, 6 story, brick, steel and stone, plain foundation, 90th St. and Parson Blvd., to Caye Constr. Co., 356 Fulton St., Brooklyn. Archts. est. $600,000. Noted Nov. 4.

N. Y., New York — CLUBHOUSE — United Order of True Sisters, 50 Landscape Ave., Yonkers, 4 story, brick, steel and stone, plain foundation, 150 West 85th St., to Cunningham & Foley, 14 West 45th St. Archts. est. $400,000. Noted Feb. 3.

N. Y., Syracuse — EXCHANGE — New York Telephone Co., 140 West St., New York City, 6 story, 90 x 125 x 130 ft., rein.-con., brick and steel, plain foundation, South State St., here, to White Constr. Co., 95 Madison Ave., New York City. Archts. est. $650,000. This corrects report in Jan. 20 issue.

N. J., Oaklyn—THEATRE—William Butler & Son Amusement Co., Belgrade and Clearfield Sts., Frankford, Phila., Pa., brick and steel theatre, here, to Wills-Bill & Co., 1708 Sansom St., Phila., Pa., $150,000.

N. C., Greensboro—BANK and OFFICE—Amer. Exch. Natl. Bank, 9 story and basement, 52 x 116 ft. bank and office building, to Angle & Blackford, Greensboro, about $500,000. Noted Sept. 2.

N. C., Kinston—HOTEL—Kinston Hotel Corp., 8 story and basement, hotel, to J. W. Stout, Sanford, $223,700. Noted Dec. 2.

Fla., Jacksonville — HOSPITAL — G. A. Barry, archt., Dyal-Upchurch Bldg., 5 story and basement, brick and stone, incl. power house and laundry, St. Johns Ave., to G. W. Hessler, Inc., West Bldg., for Sisters of Charity, St. Vincent Hospital. Archts. est. $900,000. Noted Jan. 13.

Ala., Birmingham—FIRE STATION—City Comn., 2 story, 50 x 125 ft., rein.-con. fire station and repair shop, 19th St. and 4th Ave., to W. L. Coston, Realty Bldg., $150,000. Noted July 8.

Ala., Birmingham — THEATRE and OFFICE — Famous Players-Lasky Corp., 485 5th Ave., New York City, constructing theatre and office 3rd Ave. and 18th St., here, to Thompson-Starrett Constr. Co., 250 Park Ave., New York City, $1,000,000.

Miss., Biloxi—HOTEL—F. N. Fullers Co., Inc., Atlanta, Ga., 3 and 4 story, rein.-con. hotel, here, to Rickers & Parker, Lakeland, Fla.

Tenn., Memphis—STORE—Sears, Roebuck & Co., Arthington & Homan Sts., Chicago, Ill., general contract 4 story and basement, 120 x 440 ft., rein.-con. and brick, here, to B-W Constr. Co., 720 Cass St., Chicago, Ill. Archts. est. $2,500,000.

O., Cleveland — GARAGE — Ohio Bell Telephone Co., E. F. Merrill, constr. mgr., 4300 Euclid Ave., 1 story and part basement, 65 x 220 ft., brick and steel, West 110th St., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. approximately $100,000. Noted Feb. 17.

O., Columbus — APARTMENT — H. M. Boyajohn, 145 North High St., will build 9 story and basement, 130 x 187 ft., brick, stone and concrete, East Broad St., by day labor. $400,000.

O., Columbus — THEATRE — M. Loew, Inc., 1548 Bway., New York City, 121 x 187½ ft. theatre, 83 ft. high, brick, steel, stone and terra cotta, East State St., here, to G. A. Fuller Co. 949 Bway., New York City, N. Y. Noted Feb. 3.

O., Lakewood (br. Cleveland)—STORE, GARAGE, etc.—M. Makoff, Williamson Bldg., Cleveland, 2 story and basement, brick store, public garage and bowling alley building, 15730 Madison Ave., to W. Dolin, 810 Swetland Bldg., Cleveland. Archts. est. $150,000.

Ind., Evansville—BANK—Franklin Trust Co., 1019 West Franklin St., general contract rein.-con., brick and steel, to C. Kanzler, Furniture Bldg. Archts. est. $150,000. Noted Oct. 21.

Ind., Ft. Wayne—APARTMENT—Fairfield Manor Realty Co., general contract 7 story and basement, 68 x 190 ft., rein.-con., brick and steel, Fairfield St. and Creighton Ave., to Sheets & Carlson, 334 Utility St. Archts. est. $500,000.

Ill., Chicago—THEATRE, STORE, HOTEL and OFFICE—A. Karzas, 32 West Randolph St., general contract 12 story and basement, 275 x 275 ft., rein.-con. and brick, 63rd and Maryland Sts., to Longacre Constr. Co., 127 North Dearborn St. Archts. est. $5,000,000. Noted Dec. 9.

Ill., East St. Louis—APARTMENT—C. S. Mueri, 3609 Hartford St., St. Louis, Mo., will build 3 story and basement, 73 x 120 ft., rein.-con., brick and stone, 10th St. and Pennsylvania Ave., by own forces. Archts. est. $165,000.

Wis., Rhinelander—HOTEL—J. Bronk, proprietor Hilber House, 4 story and basement, 62 x 100 ft., rein.-con. and brick, plain foundation, to H. J. Selmer Co., McCartney Bank Bldg., Green Bay. Archts. est. $200,000.

Minn., Minneapolis—OFFICE—Intersection Holding Co., M. T. Baker, pres., Baker Bldg., general contract 12 story and basement, 60 x 100 ft., rein.-con., brick and stone, 7th St. and Marquette Ave., to J. Leck Co., 211 South 11th St. Archts. total est. approximately $900,000. Noted Nov. 25.

Mo., St. Louis—APARTMENT HOTEL—Francis-Ralph Realty Co., Arcade Bldg., will build 14 story and basement, 112 x 140 ft., rein.-con., brick, steel and terra cotta, Lindell Blvd. $850,000. Work will be done by separate contracts. Pleitsch & Price, Arcade Bldg., archts. Former contract recalled. Noted July 22.

Mo., St. Louis—BANK—Wedemeyer & Nelson, archts., Wainwright Bldg., 1 story and basement, 60 x 150 ft., rein.-con., brick and stone, Bway. and Mallinckrodt St., to A. H. Haeseler Building & Contg. Co., Wainwright Bldg., for Bremen Bank, 3600 North Bway. Archts. est. $200,000. Noted Jan. 20.

Mo., St. Louis—GARAGE—F. H. Pitch, Kansas City Structural Steel Co., 114 West 10th St., Kansas City, 1 story and basement, 70 x 105 ft., rein.-con. and brick, 725 Lucas Ave., to Boaz-Kiel Constr. Co., Ambassador Hotel.

Mo., St. Louis—MEMORIAL OFFICE—Episcopal Church of U. S., c/o W. Scarlett, dean, 1210 Locust Blvd., 6 story and basement, 106 x 106 ft., rein.-con., brick, steel, stone and granite, 13th St. and Locust Blvd., to Gamble Constr. Co., 620 Chestnut St. Archts. est. $400,000. Noted Feb. 17.

Tex., Beaumont — CITY HALL and AUDITORIUM—City, O. J. Bloyd, mgr., 2 story and basement, 172 x 192 ft., rein.-con. and brick, plain foundation, to J. H. Reddick, Ft. Smith, Ark., $303,129. Noted Nov. 25.

Tex., San Antonio — HOTEL — Wood Properties Corp., c/o Travis Bldg., will build 15 story and basement, 110 x 140 ft., rein.-con., brick and steel, plain foundation, Navarro and Martin Sts., by day labor, under supervision Kelwood Co., Travis Bldg. Archts. est. $850,000. Noted Nov. 25.

Calif., Berkeley — HOSPITAL — Alta Bates, Inc., c/o C. C. Cuff, archt., 1213 Central Bank Bldg., Oakland, 6 story and basement, concrete, Regent and Webster Sts., to H. C. Knight, 1428 Franklin St., Oakland, approximately $500,000. Noted Jan. 20.

Calif., Los Angeles—APARTMENT—S. Polokof, c/o C. LeBrun, archt., 6362 Hollywood Blvd., will build 4 story and basement, brick, La Mirada St., by day labor and segregated contracts. $150,000.

Calif., Los Angeles—APARTMENTS—J. J. Strauss, 1716 South Ramona Ave., Pasadena, will build two 3 story and basement, brick, Franklin Ave., by day labor. $100,000 each.

Calif., Los Angeles — CLUB — Wilshire Athletic Club, Wilshire Blvd., 9 story, 100 x 100 ft., rein.-con., Vermont Ave. between 1st and 3rd Sts., to Anderson Wood Building Co., 604 North LaBrea Ave., $600,000. Noted Feb. 17.

Calif., Los Angeles—GARAGE, STORE and OFFICE—Los Angeles Medical Bldg. Corp., will build 13 story, basement and sub-basement, 66 x 149 ft., brick and concrete Wilshire Blvd. and South Westlake Ave., by separate contracts. $750,000. J. and D. B. Parkinson, 420 Title Insurance Bldg., archt. Noted Dec. 16.

Calif., Los Angeles — HOSPITAL and MUSEUM — Supervs. Los Angeles Co., 3,000 tons structural steel for Los Angeles Museum Unit 2, to McClintic Marshall Co., 426 South Spring St., $86.60 per ton. Noted Feb. 17.

Calif., Los Angeles—THEATRE—S. C. Lee, archt., Petroleum Securities Bldg., rein.-con. and steel, South Bway., to R. E. Campbell, 711 Central Bldg., for H. L. Gumbiner, Hellman Bank Bldg. Approximately $175,000. Noted Dec. 9.

Calif., Salinas—BANK—H. H. Winner Co., archts., 55 New Montgomery St., San Francisco, will build 2 story, rein.-con. bank, for Monterey Co. Bank, here, by day labor and segregated contracts. $150,000. Noted Feb. 17.

Calif., San Bernardino—THEATRE and STORE—C. E. Moomau, 2 story, 185 x 130 ft., rein.-con., E St., to Title Holding Co., 818 Chapman Bldg., Los Angeles, $180,000. Steam heating and ventilating system, cast stone trim, plate glass, marble and tile work.

Calif., San Francisco—HOTEL—Whitcomb Estate, Whitcomb Hotel, 7 to 15 story, 75 x 80 ft., rein.-con. and steel annex, Market and 8th Sts., to Cahill Bros., 55 New Montgomery St. To exceed $150,000.

Buildings—Industrial

Proposed Work

N. H., Manchester — REPAIR SHOP, GARAGE and SHOWROOM—F. Gadbois, 1631 Elm St., having plans prepared by J. N. Guertin, 801 Beach St., 1 story, rein.-con., Birch St. $50,000.

N. H., Rochester—REPAIR, SALES and SERVICE GARAGE — Rochester Realty Co., c/o Dow, Harlow & Kimball, archts., 184 Boylston St., Boston, Mass., having plans prepared 1 story, 100 x 115 ft., rein.-con., plain foundation, Hanson and Wakefield Sts., $55,000.

Mass., Boston—BAKERY—M. F. Capodilupo, 198 Endicott St., had plans prepared by M. J. Mastrangelo, 369 Hanover St., altering and constructing 5 story, brick addition, plain foundation, 176 Endicott St. $40,000.

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Buildings—Industrial (Continued)

Mass., Cambridge (Boston P. O.)—REPAIR and SERVICE GARAGE—Owner, c/o Funk and Wilcox, archt., 26 Pemberton Sq., Boston, having plans prepared 2 story, 12,000 sq.ft. floor space, rein.-con. and brick, plain foundation, Green St. $60,000.

Mass., Medford (br. Boston) — LIGHT MANUFACTURING — Owner, c/o H. L. Kennedy, archt., 80 Boylston St., Boston, having plans prepared 2 story, 65 x 240 ft., brick, here. $75,000.

Mass., Newton Highlands (Ind. br. Boston)—REPAIR, SERVICE and SHOWROOM—Stewart-Marshall Realty Co., 280 Center St., Newton, plans 1 story, brick and stone, Walnut and Center Sts., here. $50,000. Engineer and architect not selected.

Mass., Revere—REPAIR and SERVICE GARAGE—F. T. Foley, 1499 North Shore Rd., having plans prepared 1 story, 75 x 100 ft., brick and steel, plain foundation, Devon St. $80,000. Private plans.

Mass., Roxbury (Boston P. O.)—FACTORY—E. Gavanni & Bros., 196 Norfolk St., having plans prepared by M. J. Mastrangelo, 369 Hanover St., Boston, 2 story, 35 x 100 ft. clothing factory, and 1 story, 20 x 60 ft. naptha storage building, rein.-con. and brick, plain foundations, 90 Langdon St. and Norfolk Ave. $40,000.

Mass., Salem—REPAIR, SALES and SERVICE GARAGE—Dow & Lewis, 102 Lafayette St., having plans prepared by W. Hunt & Son., 197 Washington St., 1 story, 120 x 150 ft. rein.-con., brick and steel, plain foundation, Bridge St. $75,000. Noted Feb. 3.

Mass., Watertown—DYE HOUSE—Brunsene Co., L. T. Sawyer, pres., Stanley Ave., having preliminary sketches made 1 story, brick, Stanley Ave. $50,000. Private plans.

Conn., Hartford — PLANT — Hartford Electric Light Co., 266 Pearl St., T. H. Soren, vice-pres., having plans prepared by Stone & Webster, Inc., engrs. and archts., 80 Federal St., Boston, Mass., rein.-con., brick and steel addition, and mercury boiler, at South Meadow plant.

N. Y., New York — AUTO SERVICE, REPAIR SHOP and GARAGE—Bway. and Two Hundred Thirty-First Street Corp., c/o L. Stillman, archt., 1993 Jerome Ave., having plans prepared 1 story, rein.-con., brick and steel, plain foundation, Bway. near 231st St. $110,000.

N. Y., New York—ICE MANUFACTURING PLANT—Rubel Coal & Ice Corp., Glenmore Ave. and Junius St., Brooklyn, having plans prepared by E. M. Adelsohn, 1778 Pitkin Ave., Brooklyn, remodeling ice plant, St. Anne Ave., here. $500,000.

N. J., Jersey City—COLD STORAGE PLANT—Merchants Refrigeration Corp., 17 Varick St., New York City, plans 1 story, rein.-con., brick and steel, plain foundation, here. $100,000. Private plans.

Va., Dooley—MILL and CAMP—Jackson Bros. Lumber Co. plans large mill and lumber camp.

Va., Rosslyn — ICE PLANT — F. J. Hughes, owner Home Ice Co., plans new ice plant replacing plant of Rosslyn Packing Co., recently destroyed by fire. $150,000.

North Carolina—POWER PLANT, etc.—Carolina Power & Light Co., Raleigh, plans large power plant in Marshall, also extending high tension line from Spruce Pine to Marshall. $300,000. C. D. Wallace, Asheville, genl. mgr.

Miss., Hattiesburg—PICKLE PLANT—Amer. Pickle Co., c/o Wildar Mfg. Co., Cleveland, O., having revised plans prepared and takes bids about Mar. 1, 2 story, 60 x 680 ft., rein.-con. and brick plant. $100,000. E. C. Hearon & Sons, 201½ West Pine St., archt. Noted Feb. 3.

O., Cleveland—FACTORY—Gas Products Co., 100 North Skidmore St., Columbus, plans factory to manufacture acetylene gas, Jennings Ave. and Harvard Rd. $200,000 or more. Noted Feb. 3.

O., Dayton — PLANT — Terminal Cold Storage & Ice Co., 20 Eaker St., having plans prepared by G. B. Bright Co., 2615 12th St., Detroit, Mich., 3 story plant, Eaker St., to J. W. Boren & Sons Co., McClure St., Dayton, $40,000.

O., Massillon — FACTORY — Directors Griscom-Russell Co. take bids in spring, 1 story factory, Erie St. S., $50,000-$100,000.

O., Youngstown—FREIGHT TERMINAL—Erie R.R. Co., c/o R. E. Falconer, ch. engr., 50 Church St., New York City, N. Y., soon lets contract 4 story and basement, 85 x 420 ft., brick and rein.-con., here. $1,000,000.

Ind., Indianapolis — FACTORY and THEATRE — C. J. Walker Mfg. Co., Indiana and West Sts., having plans prepared by Rubush & Hunter, 430 Amer. Central Life Bldg., 4 story, 180 x 218 ft., cosmetics factory, incl. theatre 1,500 seating capacity, rein.-con., brick and steel. $500,000.

Mich., Muskegon — GASOLINE BULK DEPOT—Roxana Petroleum Corp., Shell Bldg., St. Louis, Mo., plans 28 x 60 ft. warehouse, three 27,000 bbl. capacity tanks, 19 x 38 ft. pumphouse, 110,000 bbl. capacity tank, and 28 x 60 ft. garage, six 118,000 gal. capacity tanks, Lake Shore Dr. $150,000. Private plans.

Ill., Chicago—PRINTING PLANT and OFFICE—Chicago Daily News, 15 North Wells St., having sketches made by Holabird & Roche, 104 South Michigan Ave., 8 story (ultimately 24 to 26 story), 100 x 400 ft. printing plant and office, Madison, Canal and Washington Sts. $20,000,000. Noted Feb. 10.

Ill., East St. Louis—OIL DISTRIBUTING STATION—Mid Continent Petroleum Corp., Landreth Bldg., St. Louis, Mo., having preliminary plans prepared by D. X. Murphy & Bros., 714 Louisville Trust Bldg., rein.-con. and brick, incl. office warehouse, etc., here. $60,000.

Wis., Fond du Lac—FOUNDRY—Morris Bros., 20 East Sibley St., plan remodeling 1 story, brick and steel foundry. $40,000. Engineer and architect not selected.

Wis., Milwaukee—PRINTING PLANT—Milwaukee Printing Co., 181 Florida St., having plans prepared by Tharinger & Bruecker, 496 Cramer St., 4 story, 100 x 130 ft., brick addition, plain foundation. $85,000.

Wis., Milwaukee—GLOVE FACTORY—Fried-Ostermann Co., 623 Reed St., had plans prepared by E. G. Schroeder Co., 445 Milwaukee St., 15 x 47 ft., and 72 x 117 ft., brick top addition, plain foundation. $40,000.

Mo., North Kansas City—MILL—Monarch Milling Co., 305 Board of Trade Bldg., Kansas City, having plans prepared by Heindenrich Eng. Co., 620 Kansas City Life Bldg., Kansas City, rein.-con. addition, here.

Texas—SUB-STATION, etc.—West Texas Utilities Co., San Angelo, having preliminary plans prepared sub-station at Tankersley, also plans later sub-stations at Mertzon, Sherwood and Barnhart. Private plans.

Texas—PRESERVING PLANTS—M. G. Clymer Co. and B. Clymer Co., 425 West Davis St., St. Louis, Mo., having plans prepared main plant in 2 units, double trackage 600 ft., Unit 1, 2 story, 80 x 300 ft., gravity system, and Unit 2, 3 story, 60 x 300 ft., boiler and engine room outside. $2,000,000 incl. all machinery. Private plans. Noted Dec. 30.

Tex., Amarillo — WAREHOUSE and SHOP—Panhandle Sash & Door Co., 11th and Grant Sts., having preliminary plans prepared fireproof warehouse and shop. $100,000. Private plans.

Tex., Borga (mail Hillsboro)—LIGHT and POWER PLANT—Panhandle Power & Light Co., Amarillo and Abilene, made plans, etc. addition, incl. 7,500 kw. Westinghouse turbo-generator unit using Sterling boilers and all other auxiliaries necessary, here. $150,000. E. Jowett, c/o owner, engr.

Tex., Brownwood—ICE PLANT—Norgan Wade Utilities Corp. having plans prepared 1 story, brick concrete and steel addition. $40,000. Private plans. Noted Jan. 13.

Tex., Orange—SAW MILL—Texas Tie & Lumber Co., Beaumont, making plans complete saw mill. $40,000. Private plans. Want prices on machinery.

Tex., San Angelo—WOOLEN MILL—T. Davis & C. C. Cole, plan 2 story woolen mill, rein.-con. and brick. $850,000 incl. machinery. Private plans.

Tex., San Antonio — GARAGE — Goad Motor Co., c/o T. J. Goad, Navarro and Augusta Sts., purchased site and plans 2 story, fireproof garage. $45,000 or more. Engineer and architect selected soon.

Tex., San Antonio—WAREHOUSE—San Antonio Bonded Warehouse Co., c/o T. Lentz, Alamo Natl. Bank, plans 3 story, 78,000 sq.ft. floor space, fireproof warehouse. $150,000.

Tex., Shafter—CYANIDE MILL—Presidio Mining Co., Presidio, takes bids after Mar. 31, 300,000 ton cyanide plant, here. $200,000. Private plans. Noted July 15.

Tex., Quanah—POWER PLANT—S. W. Light & Power Co. plans power plant at Lake Pauline, near here. $225,000. Private plans.

Tex., Wichita Falls—COTTON MILL—Western Textile Corp., having plans prepared 2 story, 10,000 spindles, 250 loom capacity cotton mill, brick and concrete. $350,000. Private plans.

Okla., Ponca City—POWER PLANT—City making surveys and plans new light and power plant, 7,500 hp. complete diesel oil engine. $350,000 appropriated. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, Mo., engrs. Noted Jan. 13.

Okla., Tulsa — FACTORY — Hinderliter Tool Co., c/o A. W. Leonard, pres., 14 North Madison St., purchased 10 acre site and having surveys made 150 x 300 ft., and 150 x 150 ft., brick and steel buildings. $750,000. Private plans.

Calif., Los Angeles—SHOPS—Bisch & Salzman, 1837 East 16th St., having plans prepared by J. E. Kunst, Cotton Exch. Bldg., 1 story, 130 x 179 ft. wood carving and cabinet shops, brick, East 16th St.

Calif., Pittsburg—ICE PLANT—P. and J. Helm plan ice plant, probably rein.-con., along Southern Pacific R.R. tracks. $40,000.

Calif., San Francisco—PLANT—Richfield Oil Co., Bartlett Bldg., Los Angeles, plans distributing plant at North Beach Marine Terminal. $250,000.

Calif., Southgate (br. Los Angeles)—PLANT—Ansco Fire Brick Co., E. M. Smith, pres. Pacific Natl. Bank, 652 South Olive St., Los Angeles, plans new plant, on 6½ acre site, Manchester Ave. near Atlanta Blvd., here. $250,000. Engineer and architect not selected.

Calif., Van Nuys—PASTEURIZING and REFRIGERATING PLANTS — Glendale Creamery Co., 755 West Doran St., Glendale, plans pasteurizing and refrigerating plants, here. $50,000.

Que., East Beauport—BRICK PLANT—Frontenac Brick Co., P. A. Galarneau, pres. and genl. mgr., having plans prepared brick plant. $1,000,000. A. Surveyer, 511 St. Catharine St. W., Montreal, engr.

Ont., Brockville — FACTORY — E. F. Phillips Electrical Wks. Ltd., 12 Mercer St., plans 2 additional buildings in connection with wire and cable factory, one 12,000 sq.ft. floor space, for cotton covering dept. ,and other enamelled wire dept. $150,000-$200,000. Engineer not selected.

B. C., Campbell River—PAPER PLANT—Crown Willamette Paper Co., Pittock Bldg., Portland, Ore., and 248 Battery St., San Francisco, Calif., having plans prepared 200 ton (newsprint) paper plant, here, and hydro-electric development of Campbell River Falls, $15,000,000. R. C. Condit, 365 Bellevue St., Oakland, Calif., engr.

B. C., Vancouver—PLANT—Dominion Bridge Co., Dominion Stn. Lachine, Montreal, purchased site and plans plant, here. $350,000.

Bids Desired

Mass., Boston—PUBLISHING PLANT—Boston Amer. Publishing Co., 8 Winthrop Sq., taking bids altering 4 story, brick, 86 Summers St. $40,000. Blackall, Clapp & Whittemore, 31 West St., archts.

Mass., Cambridge (Boston P. O.)—REPAIR and SERVICE GARAGE—M. H. Gulesian, 85 Commonwealth Ave., Newton, taking bids 2 story, 12,000 sq.ft. floor space, rein.-con. and brick, plain foundation, Green St. $60,000. Funk & Wilcox, 26 Pemberton Sq., Boston, archts.

Mass., Medford (br. Boston)—MANUFACTURING—Owner c/o H. L. Kennedy, archt., 80 Boylston St., Boston, taking bids 2 story, 70 x 240 ft., brick, plain foundation. $75,000. Noted Feb. 17.

N. Y., New York—AUTO SERVICE and REPAIR SHOP—See "Contracts Awarded."

Pa., Beaver Falls—WAREHOUSE—See "Contracts Awarded."

Pa., York—ROOFING PLANT—Certain-teed Products Corp., 100 East 42nd St., New York City, N. Y., taking bids 2 story, 109 x 145 ft., rein.-con., and steel addition, here. Klipstein & Rathman, 316 North 8th St., St. Louis, archts. Noted Feb. 17.

Contracts Awarded

Mass., Dorchester (Boston P.O.)—FACTORY and DRY KILN—George Steck & Co., Hilltop St., 5 story, rein.-con., to Aberthaw Co., 80 Federal St., Boston. Archts. est. $140,000.

Mass., Quincy (br. Boston)—REPAIR SHOP and SERVICE GARAGE—S. Scrammell & Son, 12 Scammell St., 1 story rein.-con., to Clark & Smith, 12 Temple St. Archts. est. $40,000.

Mass., Salem—SWITCH HOUSE—Salem Electric Co., c/o C. H. Tenney. & Co., engrs., 200 Devonshire St., Boston, 2 story, brick and steel addition, plain foundation, to L. R. Porter Co., 6 New Derby St. Engrs. est. $40,000. Noted Feb. 10.

Mass., Somerville (Boston P. O.)—REPAIR and SERVICE GARAGE—M. Bornstein, 64 Charlesgate St., East Boston, 1 story, 90 x 210 ft., rein.-con., plain foundation, Medford St., to Myer Peraner & Sons, 96 Beals St., Brookline. Engrs. est. $50,000. Noted Jan. 27.

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Buildings—Industrial (Continued)

Mass., South Boston (sta. Boston)—REPAIR and SERVICE GARAGE—C. B. Cailey, 454 Bway., 1 story, rein.-con. and brick, plain foundation, 4th near K St., to F. J. Gallagher, 580 Huron Ave., Cambridge. Archts. est. $40,000.

N. Y., New York—AUTO SERVICE and REPAIR SHOP—Tagra Holding Co., c/o J. M. Felson, archt., 250 West 57th St., will build 75 x 100 ft., rein.-con., brick and steel, plain foundation, 229 West 66th St. Work will be done by separate contracts under architect's supervision.

Pa., Beaver Falls — WAREHOUSE — Armstrong Cork Co. will build 1 story, 60 x 120 ft., and 180 x 220 ft., steel warehouse and kiln. $80,000. Work will be done by separate contracts. Private plans.

Pa., Phila.—FACTORY—Callins & Aikman, 51st and Viola Sts., 4 story and basement, 44 x 50 ft., rein.-con. and brick, Krams and Pechin Sts., to Turner Constr. Co., 1700 Walnut St.

Ga., Atlanta — PACKING HOUSE — Swift & Co., 33 South Clark St., Chicago, Ill., 2 story, 80 x 157 ft., brick and steel, Petrus and West Fair Sts., here, to Griffin Constr. Co., 308 Spring St., Atlanta. $90,000. Private plans. Noted Oct. 7.

Tenn., Wales—PHOSPHATE PLANT—International Agricultural Corp., general contract phosphate plant, to Huggar Bros. Constr. Co., Shephard Bldg., Montgomery, Ala. Archts. est. $150,000.

O., Cleveland—PLANT and BOILER HOUSE—Green Dry Cleaning Co., c/o R. Adler, c/o Cuyahoga Abstract Title & Trust Co., 723 Superior Ave., 1 story, 23 x 40 ft. and 18 x 30 ft., dry cleaning plant and boiler house, brick and steel Woodhill Rd., to S. Friedman & Machlis, 1786 Corydon Rd. Archts. est. approximately $40,000.

O., Cleveland—BAKERY—E. Huberty, archt., 5503 Utica Ave., 1 story and part basement, 44 x 185 ft., brick and steel, 4514th St. Clair Ave., to R. Hansen Constr. Co., Thornhill Dr., for Quality Pie Co., c/o N. Soulthos, pres., 2691 Scranton Rd. Archts. est. $60,000. Noted Nov. 4.

O., Cleveland — LAUNDRY — Mireaw Laundry Co., 2240 St. Clair Ave., 1 story, 40 x 80 ft., brick and seel, Oregon Ave., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. approximately $40,000.

Ind., South Bend — FACTORY — H. S. Cover, South Michigan Rd., general contract 1 story, 60 x 130 ft., rubber factory, rein.-con., brick and steel to H. G. Christman, 306 South Notre Dame St. Archts. est. $50,000.

Mo., Continental (mail Affton) — BAG and PACKING HOUSE — Alpha Portland Cement Co., Arcade Bldg., St. Louis, 5 story, 70 x 150 ft. bag and packing house for cement plant, rein.-con. and steel, here, to A. D. Gates Constr. Co., Chemical Bldg., St. Louis. Archts. est. $75,000.

Mo., Kansas City—WAREHOUSE, etc.—Galion Iron Wks. & Mfg. Co., 1321 West 9th St., general contract 1 and 2 story, 90 x 109 ft., rein.-con., brick and steel warehouse and distribution branch, to W. T. May, 648 Minnesota Ave. Archts. est. $60,000. The correct report in Jan. 13 issue.

Mo., St. Louis — MANUFACTURING — Koken Companies, Inc., 2528 Texas Ave., four 1 story, rein.-con., brick and steel buildings, Morganford Rd., to W. H. Cunliff, 410 North Euclid Ave. Archts. est. $160,000.

Mo., St. Louis—GLASS PLANT—Mississippi Glass Co., 4070 North Main St., 1 story, 34 x 65 ft., and 78 x 100 ft., rein.-con. and brick addition, to Fruin-Colnon Contg. Co., Merchants Laclede Bldg. Archts. est. $45,000.

Tex., Sugarland—WAREHOUSE—Texas Sugar Refining Co., general contract 100,000 bag capacity warehouse, 5,000,000 lb. capacity raw sugar bin and equipment, also fuel economizers for each battery of boilers, to T. B. Hubbard c/o Bankers Mortgage Bldg.; also conveyors, to McKenney-Harrington Co., Chicago, Ill. Engrs. est. $250,000.

Tex., Weslaco—GARAGE—Weslaco Auto Co., 2 story, 90 x 140 ft., rein.-con. and brick, plain foundation, to Vivrett & Vivrett, Weslaco, $43,338.

Wash., Tacoma—ICE CREAM PLANT—Royal Ice Cream Co., 2901 6th Ave., 3 story, 130 x 135 ft., rein.-con., Pacific Ave. and South 25th St., to Ketner Bros., St. Helens Ave. Archts. est. $150,000.

Calif., Los Angeles—FACTORY—Pacific Coast Sales Book Co., 1 story, 150 x 267 ft., brick, Slauson Ave. and Avalon Blvd., to J. M. Cooper, 301 Rives-Strong Bldg., $70,000.

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Calif., Los Angeles — FACTORY and WAREHOUSE — Angeleus Furniture Mfg. Co., 937 East Pico St., 6 story, 177 x 200 ft., rein.-con. addition, East 9th St., to J. M. Cooper, 321 Rives-Strong Bldg., $225,000.

Calif., Oakland — SHOPS — Liberty Ornamental Iron Wks., 2455 Valdez St., 1 story, brick, 21st and Filbert Sts., to Art Builders, 1317 5th Ave., approximately $40,000.

Buildings — Educational Religious

Proposed Work

N. H., Concord—NURSES HOME—State, New Hampshire State Hospital, C. H. Dolloff, doctor, having plans prepared by Wells & Hudson, Hanover, nurses home. $150,000 or more.

Mass., Braintree—CHURCH—St. Francis Roman Catholic Church, W. H. Walsh, pastor, 586 Washington St., having plans prepared by W. B. Colleary, 80 Boylston St., Boston, altering and constructing 1 story and basement, brick and stone addition, plain foundation. $150,000. Noted Dec. 23.

Mass., Brockton—LIBRARY—City, H. A. Wooster, librarian, plans altering and constructing brick addition, Main and White Sts. $150,000. Engineeer and architect not selected.

Mass., Clinton — SYNAGOGUE — Jewish Community Center, 46 High St., having preliminary plans prepared by A. J. Smith, 56 Front St., Worcester, 1 story and basement, Water St. $150,000.

Mass., Easthampton—GYMNASIUM and ATHLETIC — Williston Seminary, A. V. Galbraith, pres., having preliminary plans prepared by J. H. MacNaughton, 177 State St., Boston, gymnasium and athletic building. $400,000.

Mass., Grafton—LIBRARY—Town, H. L. Nichols, chn. building com., takes bids about Mar. 1, 2 story and basement, brick, stone and granite, plain foundation. $155,000. O. A. Thayer, 89 Franklin St., Boston, archt. Noted Feb. 17.

Mass., Haverhill — CHURCH — Trinity Episcopal Church, J. M. Smith, pastor, raising $150,000 or more funds altering church and reconstructing parish house and rectory, 2 and 3 story and basement, brick and stone, plain foundation. White St. A. W. McFarland, 54 Highland Ave., archt.

Mass., Leominster — NURSES HOME — Leominster Hospital Assn., W. H. Cropper, pres., having sketches made by Kendall, Taylor & Co., 142 Berkley St., Boston, 3 story and basement, brick, plain foundation. $150,000.

Mass., Malden (br. Boston)—SCHOOL—Malden Hebrew Free School, I. I. Katzan, 454 Main St., plans 2 story and basement, brick, Almont St. $150,000. Engineer and architect not selected.

Mass., Rockland — HIGH SCHOOL — Town, C. Varney, having sketches made by J. D. Leland & Co., Statler Bldg., Boston, Junior High School, 2 story and basement, brick and stone, plain foundation, School St. $150,000 or more.

Mass., West Springfield (br. Springfield) — SCHOOL — Immaculate Conception Church, J. O'Connell, 233 Main St., plans school, Main St. $150,000 or more. Engineer and architect not selected.

Mass., Worcester — NURSES HOME — Worcester City Hospital, C. A. Drew, supt., having plans prepared by Fuller & Delano, 44 Front St., brick nurses home, Jacques St. $150,000.

R. I., Cumberland—HIGH SCHOOL—Town, J. Broderick, clk., plans 2 story and basement high school. $150,000 or more. Engineer and architect not selected.

R. I., Kingston—LIBRARY and AUDITORIUM—Rhode Island State College, A. Edwards, in charge, having sketches made by Bigelow, Kent & Willard Co., Park Sq. Bldg., Boston, Mass., 1 and 2 story and basement, brick library and auditorium. $150,000. Noted Dec. 16.

R. I., Providence — HIGH SCHOOLS — City, Pub. Building Dept., plans brick and steel, Smith and Oakland Ave., $1,000,000; Hartford and Laurel Hills Aves., $900,000; and Mt. Pleasant Ave., $600,000. T. J. Hill Pierce, 275 Washington St., archt. Noted Feb. 10.

Conn., Greenwich — LIBRARY—Greenwich Pub. Library, Greenwich Ave., having sketches made by W. Tubby, 475 5th Ave., New York City, altering and constructing addition. $125,000-$150,000.

Conn., Newington — HIGH SCHOOL — Town, Selectmens Office, plans high school, $150,000 or more. Engineer and architect not selected.

Conn., Simsbury — HIGH SCHOOL — Town, R. Darling, chn. building comm., having plans prepared by F. I. Cooper Corp., 172 Tremont St., Boston, 2 story and basement, brick and stone addition, plain foundation, Main St. $150,000.

Conn., Union City (Ind. Sta. Naugatuck) —SCHOOL—St. Mary's Parish, W. J. Fanning, pastor, plans 2 story and basement incl. auditorium. $150,000. Engineer and architect not selected.

N. Y., Albany—SCHOOL—Our Lady of Angels Roman Catholic Church, O. Liebelt, pastor, Sheridan Ave., c/o H. P. Webster, archt., 835 Washington Ave., takes bids about Mar. 15, 3 story, 76 x 128 ft., and 70 x 84 ft., brick, steel and stone school, $250,000.

N. Y., Jamaica — HIGH SCHOOL — Diocese of Long Island, T. Malloy, bishop, c/o F. J. Berlenbach, archt., 260 Graham Ave., Brooklyn, having plans prepared 4 story, brick, steel and stone, plain foundation, Sutphin Blvd. and 88th Ave., here, $250,000. C. Matlock, 949 Bway., New York City, engr.

N. Y., Watertown — CHURCH — First Presbyterian Church, F. F. Pickard, pastor, soon takes bids brick, steel and stone addition, plain foundation, Arsenal St. $200,000. Ludlow & Peabody, 101 Park Ave., New York City, archts.

Pa., Jessup—CHURCH—F. J. Schwarz, archt., 233 Bway., New York City., N. Y., soon lets contract 2 story and basement, 56 x 107 ft., rein.-con., brick and steel, plain foundation, here, for St. James Roman Catholic Church, here.

Pa., Phila.—CHAPEL and SCHOOL—St Martins of Tours, J. P. McHugh, pastor, Sanger St. and Roosevelt Blvd., having plans prepared by P. F. Getz, Victory Bldg., 3 story and basement, 94 x 140 ft., stone and steel, plain foundation.

Pa., Phila.—SYNAGOGUE—Congregation of Shaari, c/o E. A. Roth, archt., Drexell Bldg., making plans 2 story and basement, 56 x 120 ft., rein.-con., brick and steel, plain foundation, 52nd and Columbia Sts. $150,000.

Pa., Pittsburgh—HIGH SCHOOL—Bd. Educ. having plans prepared by J. T. Stern & Sons, Vandergrift Bldg., 2 story and basement, irregular shaped, brick, steel and limestone addition to Oliver High School, Brighton Rd. $500,000.

N. C., Burlington—CHURCH—First Reformed Church plans new church. $150,000.

Tennessee—COLLEGES — State Legislature appropriated $2,500,000, construction buildings for University of Tennessee in Knoxville and Memphis. Engineer and architect not selected.

Tenn., Nashville—CHURCH—West End Methodist Church, 1528 Broad St., having plans prepared by D. W. Southgate, Stahlman Bldg., stone, 23rd St. and West End Ave. $350,000. Noted Oct. 21.

Ky., Louisville — ORPHANS HOME — Methodist Orphans Home, 812 South 5th St., E. S. Boswell, supt., plans brick and stone home. $400,000. Engineer and architect not selected.

O., Garfield Heights (br. Cleveland)—CHURCH and SCHOOL—Church of Little Flower, R. P. Gibloons, pastor, 10708 McCracken Blvd., plans 2 story and basement, brick, steel and concrete, Granger Rd. and Penfield Ave. $150,000. Engineer and architect not selected.

O., Painesville — DORMITORY — Lake Erie College for Women, having plans prepared by A. Garfield, Natl. City Bldg., Cleveland, 2 story and basement, 90 x 267 ft., brick, steel and concrete dormitory, $200,000. Mayer & Valentine, Plymouth Bldg., Cleveland, mechanical engr.

O., Youngstown—HIGH SCHOOL—Bd. Educ. takes bids in spring, Junior High School, 2 story and basement, Ford and Crandall Sts. $250,000.

O., Youngstown — SCHOOL — Bd. Educ. takes bids in spring, 3 story and basement school, in Caldwell School Dist. $300,000.

Mich., Detroit — CHURCH — St. Rose Parish, Kercheval and Beniteau Aves., having plans prepared by E. A. Schilling, 3440 Cass Ave., 2 story and basement, rein.-con., brick and steel, plain foundation, Kercheval Ave. $250,000.

Mich., Flint—HIGH SCHOOL—Bd. Educ. having plans prepared by H. J. Darling,

Buildings—Educational, Religious (Cont.)

1st Natl. Bank Bldg., Detroit, 3 story and basement, rein.-con., brick and steel, plain foundation. $700,000.

Mich., Rochester—SCHOOL—Bd. Educ. having plans prepared by E. A. Schilling, 3446 Cass Ave., Detroit, 2 story and basement, rein.-con., brick and steel, plain foundation. $750,000.

Mich., Jackson — HIGH SCHOOL — Bd. Educ., E. O. March, supt., having plans prepared by Childs & Smith, 720 North Michigan St., Chicago, Ill., 3 story and basement, rein.-con., brick and steel, plain foundation, East Central Site. $700,000.

Mich., Ypsilanti — NORMAL SCHOOL — Michigan State Normal, Campaign Com., C. E. Gittens, City Hall, Highland Park, having plans prepared 4 story and basement, rein.-con., brick and steel, plain foundation, here, for Alumni Union Ypsilanti Normal School. $500,000. Engineer and architect not announced.

Ill., Chicago—CHURCH and PARISH HOUSE—Talmadge & Watson, archts., 160 North La Salle St., takes bids about Feb. 24, 4 story and basement 100 x 165 ft., brick and stone, 6400 Kimbark Ave., for First Presbyterian Church, 6404 Kenwood Ave. $500,000. Noted Aug. 19.

Ill., Oak Park — SCHOOL — Bd. Educ. soon takes bids Kenilworth Grade School, 3 story, 85 x 169 ft., rein.-con., brick and stone, school. $275,000. Childs & Smith, 720 North Michigan Ave., Chicago, archts.

Wis., Wauwatosa—HIGH SCHOOL—Bd. Educ., C. McCullough, chn. building com., 157 Warren St., plans rein.-con. and brick, plain foundation, Wauwatosa Ave. $700,000. Engineer and architect not selected.

Ia., Cedar Rapids — COMMONS — State Bd. Educ., W. H. Gemmill, secy., State House, Des Moines, having preliminary plans prepared 3 or 4 story brick, stone and rein.-con. commons building for State Teachers College.

Kan., Concordia—ADMINISTRATION—St. Paul College having preliminary plans prepared by L. W. Wilson, 300 Walsix Bldg., Kansas City, Mo., 2 story and basement, rein.-con. and brick administration building. $200,000.

Kan., Dodge City—SCHOOL—Southwest Teachers College having plans prepared by C. Cuthbert, 1415 Jewell St., Topeka, for school. $200,000. This corrects report in Feb. 3 issue.

Mo., St. Louis — CHURCH and COMMUNITY CENTER — St. Johns Methodist Episcopal Congregation, I. L. Holt, pastor, 5668 Washington Ave., soon takes bids 3 story and basement, rein.-con., brick and stone, Washington Ave. west of Kingshighway. $200,000. Trueblood & Graf, 1517 Chemical Bldg., archts. Noted Jan. 27.

Ark., Little Rock—CHURCH—Mann & Stern, archts., A. O. U. Bldg., soon lets contract 3 story and basement, 45 x 174 ft., and 70 x 82 ft., rein.-con., brick, steel and stone, 10th and Bishop Sts., for Immanuel Baptist Congregation, c/o J. H. Ester, 719 Battery St. $150,000. Noted Feb. 5.

Tex., Abilene — SUNDAY SCHOOL — First Baptist Church having plans prepared by W. Nichol & G. Campbell, 29-30 Radford Bldg., 5 story and basement, 139 x 170 ft., rein.-con. and brick, plain foundation. $300,000.

Tex., Brownsville—COLLEGE—Catholic Junior College, c/o J. B. Frigon, pastor, made plans and take bids in spring Junior College, 3 story, 90 x 120 ft., rein.-con., brick or stone, plain foundation. $300,000. Private plans. Noted July 15.

Tex., Brownsville—HIGH SCHOOL—Bd. Educ., c/o F. E. Stark, having plans prepared by A. B. & R. M. Ayres, 626 Bedell Bldg., and Phelps & DeWees, associated archts., 718 Gunter Bldg., San Antonio, Junior High School, 2 and 3 story, 140 x 170 ft., rein.-con. and brick, plain foundation. Election soon $275,000 bonds for same.

Tex., McCamey—HIGH SCHOOL—Bd. Educ. having preliminary plans prepared 3 story and part basement, rein.-con. and brick, plain foundation. Election soon $150,000 bonds, for same. Private plans. Noted Feb. 10.

Tex., San Antonio—HALL—St. Mary's College having preliminary plans, etc., prepared 4 story, rein.-con. and brick, plain foundation, West Side. $200,000. Private plans.

Tex., Waco—DORMITORY—Baylor University having plans prepared by B. D. Easterwood, Waco, and takes bids in April, 3 story and basement, fireproof dormitory. $350,000.

Calif., Los Angeles — CONVENT — Convent of Good Shepherd, 1312 Arlington St., having plans prepared by A. C. Martin, Higgins Bldg., 4 story and basement, steel and rein.-con., Arlington St. $175,000 or more.

Calif., Modesto—CHURCH—First Methodist Church, E. R. Hawke, chn. building com., plans fireproof, 16th St. between H and I Sts. $150,000. Engineer and architect not selected.

Calif., Redlands—HIGH SCHOOL—Bd. Trustees Redlands School Dist., having plans prepared by E. Bergstrom, City Natl. Bank Bldg., Los Angeles, auditorium $150,000, Junior High School addition $165,000, and athletic building $20,000. Noted Feb. 17.

Calif., Redwood City — SCHOOL — Redwood City Grammar School Dist. having plans prepared by Gottschalk & Rist, 760 Market St., San Francisco, 2 story, rein.-con. school. $150,000.

Calif., Sierra Madre—SCHOOL—Frances De Pauw School for Girls, 4952 Sunset Blvd., Los Angeles, having plans prepared by Marston, Van Pelt & Maybury, 255 South Euclid Ave., Pasadena, private school, here. $250,000.

Ont., Belleville — COLLEGIATE INSTITUTE — Bd. Educ. plans 3 story and basement, concrete, brick, steel and stone collegiate institute. $550,000. Engineer and architect not appointed.

Ont., Toronto — CHURCH — Forward Baptist Church, Woodbine Ave., purchased site and plans 1 and 2 story and basement, rein.-con., brick and steel, plain foundation, Gerrard St. and Glenmore Ave. $150,000. Engineer and architect not selected.

Bids Desired

Mass., Chicopee Falls — SCHOOL — St. George's Parish, c/o C. H. Fugere & Son, archts., 112 Main St., taking bids 2 story and basement, 80 x 125 ft., brick and stone, plain foundation, Maple St. $150,000.

Conn., Hamden (br. New Haven) — SCHOOLS — Mar. 8, by Town Clerk, 2 schools, one 8 room at Pine and Helen Sts., Brown & Von Beren, 185 Church St., New Haven, archt.; also 4 room addition to Spring Glen School, A. W. Boylen, 39 Center St., archt., both brick and steel, for Town, J. H. Strain, chn. $150,000. Noted Jan. 6.

Conn., Hartford — SCHOOL — St. Augustine's Parish, M. W. Barry, pastor, taking bids 2 story and basement, 60 x 128 ft., brick, steel and stone, Clifford St. and Maple Ave. $200,000. Whiton & McMahon, 805 Main St., archts. Noted Jan. 13.

N. Y., Albany — CHURCH — St. James Church taking new bids, church. $150,000. Former bids rejected. Maginnis & Walsh, 100 Boylston St., Boston, Mass., archts. Noted Jan. 13.

Pa., Phila.—SCHOOL—Mar. 1, by Bd. Educ., J. D. Cassell, supt. buildings, 3 story and basement, 107 x 213 ft., rein.-con. and brick, plain foundation, Knights and Bywood Sts. $600,000. I. T. Catharine, 19th and Chestnut Sts., archt.

Pa., Phila.—SCHOOL—Mar. 1, by Bd. Educ., J. C. Cassell, supt. buildings, 3 story and basement, 104 x 106 ft., rein.-con. and brick, plain foundation, 41st and Brown Sts. $300,000. I. T. Catharine, 19th and Chestnut Sts., archt.

O., Akron—SCHOOL—Mar. 16 (extended date), by Bd. Educ., Spicer School, 2 story and basement, 65 x 218 ft., brick and steel, plain foundation, Carroll St. $250,000. M. M. Konarski, Central High School Bldg., archt. and engr. Noted Jan. 27.

O., Akron—SCHOOLS—Mar. 16, by J. M. Shriver, clk. Bd. Educ. Green Twp. Centralized School Dist. Summit Co., constructing high school in Greensburg; and grade school in Liberty. $150,000. Miller & Son, 12 West Madison Ave., Youngstown, archts.

O., Hudson—HIGH SCHOOL—Mar. 3, by B. S. Sanford, clk. Bd. Educ. Hudson Rural School Dist., for high school. Miller & Son, 12 West Madison Ave., Youngstown, archts. Noted Feb. 10.

O., Lakewood (br. Cleveland)—SCHOOL—Mar. 12, by Bd. Educ., G. W. Grill, clk., 1456 Warren Rd., 1 story and basement, brick and steel addition. $175,000. C. W. Hopkinson, 900 Rose Bldg., Cleveland, archt.

O., Miamisburg—SCHOOL—Mar. 3, by Bd. Educ., J. S. McKnight, clk., 2 story and basement, brick and rein.-con. school, and alterations to existing building. $150,000. Pretzinger & Musselman, Reibold Bldg., Dayton, archt.

O., Shaker Heights (br. Cleveland)—HIGH SCHOOL—Mar. 14, by Bd. Educ., J. W. Main, clk., South Woodland and Woodbury Rds., 3 story and basement, 30 room, brick, steel and concrete, South Woodland and Woodbury Rds. $600,000. Noted Nov. 18.

Mich., Plymouth—SCHOOL—Feb. 28, by A. S. Murray, secy. Bd. Educ., 2 story and part basement, rein.-con., brick and steel, plain foundation, Holbrook Ave. $150,000. Malcolmson & Higginbotham, 1217 Griswold St., Detroit, archts.

Mich., Pontiac—SCHOOLS—Mar. 3, by G. Morris, secy. Bd. Educ., two 2 story and basement, 40 x 100 ft., rein.-con., brick and steel, plain foundations, New York and Columbia Aves. $150,000. Lane Davenport & Peterson, 1017 Charlevoix Bldg., Detroit, archts.

Mich., Royal Oak (Ind br. Detroit)—SCHOOL—Mar. 1, by Bd. Educ., 2 story and basement, rein.-con., brick and steel, plain foundation, Benjamin Franklin Site. $150,000. F. D. Madison, Royal Oak, archt.

Minn., Minneapolis—SCHOOL—Mar. 2, by Church of Ascension, 1723 Bryant Ave. N., 3 story and basement, rein.-con. and brick, 17th and Bryant Aves. $200,000. C. A. Hausler, 248 Hamm Bldg., St. Paul, archt. Noted Oct. 28.

Tex., Amarillo—HIGH SCHOOL—Mar. 3, by Bd. Educ., W. N. Burnham, pres., 3 story and part basement, rein.-con. and brick, plain foundation, 13th and Polk Sts. $300,000. E. F. Rittenberry, 303 Blackburn Bldg., archt. Noted Jan. 27.

Calif., Fresno—HIGH SCHOOL—Mar. 17, by Bd. Educ., Roosevelt High School,

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Buildings—Educational, Religious (Cont.)

rein.-con., incl. auditorium, library, etc., for Fresno School Dist. $250,000. Trewhitt-Shields Co., Pacific Southwest Bldg. $250,000.

Contracts Awarded

Mass., Boston — CONVENT — St. Marys Roman Catholic Church of Annunciation, F. F. Glynn, pastor, 61 Myrtle St., 3 story and basement, brick and stone, plain foundation Myrtle and Herbert Sts., to W. T. Powers Co., 24 Union Sq., Somerville. Archts. est. $150,000.

Mass., Salem—NURSES HOME—Salem Hospital, Highland Ave., 3 story and basement, brick, stone and granite, plain foundation, to C. S. Cunningham & Sons Constr. Co., 80 Boylston St., Boston. Archts. est. $150,000. Noted Jan. 20.

R. I., Pawtucket—AUDITORIUM—St. Joseph Roman Catholic Church, brick, plain foundation, to L. A. Murphy, 112 North Bend St. Archts. est. $150,000. Noted Feb. 10.

N. J., Hackensack—NURSES HOME—Hackensack Hospital Assn., E. Blauvelt, secy., brick, steel and stone, plain foundation, Essex St., to W. H. Whyle Constr. Co., Railroad Ave. Archts. est. approximately $250,000.

Pa., Beaver Falls—HIGH SCHOOL—Bd. Educ., College Hill, general contract Junior High School, 2 story and basement, irregular shaped, College Hill, to H. Wimer, Butler. Archts. est. $150,000.

Fla., Miami — CHURCH — First Baptist Church, N. E. 1st Ave. and 5th St., J. L. White, pastor, 4 story, 2,500 seating capacity, to F. T. Ley & Co., 117 Northeast 1st Ave., $447,000. Noted June 10.

Fla., Miami—HIGH SCHOOL—Dade Co. Bd. Pub. Insruction, Central School Bldg., 69 Northeast 3rd St., Senior High School, 4 story and basement, Southwest 24th Ave., to Natl. Constr. Co., Jefferson Bldg., $964,925; plumbing, to C. M. Ewing, 1371 Northwest 3rd St., $65,995; and electrical work, to H. P. Foley Co., Exchange Bldg., $63,198. Noted Feb. 10.

O., Westview (br. Zanesville)—HIGH SCHOOL—Bd. Educ., 2 story and basement, 20 room, brick, steel and concrete, to J. A. Houston, 355 East 5th Ave., Lancaster. Archts. est. $225,000. Noted Jan. 27.

Mich., Owosso — SCHOOL — A. Des Rosiers, archt. and engr., 620 McKerchey Bldg., Detroit, 2 story and basement, 150 x 163 ft., rein.-con., brick and steel, plain foundation, here, for St. Paul Catholic Church, to Hutter Constr. Co., 128 Western St., Fond du Lac, Wis., approximately $150,000. Noted Dec. 30.

Ont., Toronto—CHURCH—Bloor Street Baptist Church, general contract 1 and 2 story and basement, rein.-con., brick, steel and stone, brick foundation, Heath and Yonge Sts., to Witchall & Son, 156 St. Helens Ave. Archts. est. $400,000. Noted Sept. 30.

Federal Government Work

Proposed Work

O., National Military Home (Br. Dayton)—Administration and Hospital — Bd. Trustees, Natl. Military Home, C. H. Brooks, pres. plans 3 units, 5 story, and basement, brick, stone and concrete, hospital and administration buildings, Natl. Military Rd., $1,500,000.

Bids Desired

N. J., Montclair—Post Office—Mar. 22, at office Supervising Architect, Treas. Dept., Wash., D. C., post office, here. J. A. Wetmore, acting supery. archt.; adv. E. N.-R. Feb. 24. Noted Jan. 27.

Md., Edgewood—Dwellings—Mar. 15, by Constructing Quartermaster, Building 81, Edgewood Arsenal, constructing 10 frame dwellings; date changed. adv. E. N.-R. Feb. 24. Noted Feb. 17.

Ky., Louisville — Machinery, etc. — Mar. 22, at office U. S. Engineer, P. O. Box 72, machinery and piping in power house and turbine pit, etc. at Lock and Dam 47, Ohio River; adv. E. N.-R. Feb. 24.

Bids Received

Alaska—Dredging, etc.—U. S. Engineer Office, Burke Bldg., Seattle, Wash., Feb. 10, dredging and rock removal in Wrangel Narrows, from Puget Sound Bridge & Dredging Co., Central Bldg., Seattle, Wash., $388,500. Noted Jan. 6.

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Contracts Awarded

Colo., Denver — Gate Hoists, etc. — Bureau Reclamation, Dept. Interior, E. Mead, comr., hoists and gates under Spec. 405-D, Items 1 and 2, to Foot Bros., 216 North Curtis St., Chicago, Ill., at $934 each; Items 3 and 4, to Omaha Steel Wks., 4803 Leavenworth St., Omaha, Neb., $96 and $750 respectively; and Item 5, to United Iron Wks., 2nd and Jefferson Sts., Oakland, Calif., $180. Noted Nov. 18.

Unclassified

Proposed Work

Aerial and Underground Cables—Massachusetts — New England Telephone & Telegraph Co., 119 Milk St., Boston, plans aerial and underground cables in Richmond Central Dist., $54,650 appropriated; also additional aerial cables in various streets in Charlestown, $14,850 appropriated. Private plans.

Underground and Aerial Cables, etc. — Massachusetts—New England Telephone & Telegraph Co., 119 Milk St., Boston, plans underground and aerial cables and conduits various streets in Lexington, $54,250 appropriated; additional switchboard equipment in Congress Central Exchange in Boston, $26,427 appropriated, and in Central Exchange office in Braintree, $9,713 appropriated. Private plans.

Rapid Transit Station and Shelter—Dorchester (Boston P. O.), **Mass.**—City, Transit Dept., 1 Beacon St., Boston, having plans prepared 1 story, concrete station and shelter, Fields Corner, here. $50,000. E. R. Springer, Transit Dept., Boston, engr.

War Memorial Tower—Melrose (Ind. br. Boston), **Mass.**—City, c/o G. C. Clover, 50 Congress St., Boston, plans war memorial tower, 80 to 90 ft. high, Ell Pond Knoll, here. $40,000-$50,000. Engineer not selected.

Power Transmission Line—Connecticut—Connecticut Electric Service Corp., 36 Pearl St., Hartford, J. H. Roraback, pres., plans connecting 40 mi. power transmission lines between Eastern Connecticut Power Co. and Connecticut Light & Power Co. from Meriden to Montville. $500,000.

Street Lighting System—Hartford, Conn.—City, Street Comrs. plans increasing amperage from 5.85 to 6.60 for entire street illuminating system, and additions to ornamental lighting, also substitutions of new style lights. $35,000.

Stadium — Bayonne, N. J. — Takes bids about Mar. 8, rein.-con. and steel covered stadium, 8,000 seating capacity, West 25th St. Osborn Eng. Co., 7016 Euclid Ave., Cleveland, O., engrs.

Bath House—Atlanta, Ga.—City, c/o J. White, City Hall, had plans prepared by Edwards & Sayward, 101 Marietta St., 2 story, brick, steel and concrete bath house, Mozely Park. $30,000.

Power Line — North Carolina — See "Buildings—Industrial."

Summer Resort—Blowing Rock, N. C.—Blowing Rock Development Co., purchased 281 acres and plans developing summer resort, incl. streets, lake, etc.

Golf Course — Knollwood (mail Aberdeen), **N. C.**—See "Buildings—Commercial."

Grain Elevator—Nashville, Tenn.—Nashville Warehouse & Elevator Co., 1117 4th Ave. S., plans rebuilding grain elevator, along Nashville, Chattanooga & St. Louis R.R. tracks, recently destroyed by fire. $200,000.

Concrete Cap and Steps—Cleveland, O.—City W. R. Hopkins, city mgr., takes bids late in fall placing concrete cap and concrete steps for East 9th St. Pier. $150,000. R. Hoffman, City Hall, engr.

Stone Crusher Plant—Toledo, O.—Plans issuing $46,000 bonds, purchasing and constructing stone crusher plant and equipment on Work House Farm.

Golf Course—Windsor, O.—A. W. Green, East Market St., Warren, making plans 5-18 hole golf course and country club, here. Amer. Park Builders, 201 East Ontario St., Chicago, Ill., archts.

Golf Course—Michigan City, Ind.—See "Buildings—Commercial."

Stadium—Ann Arbor, Mich.—University of Michigan, had plans prepared by Osborn Eng. Co., engrs. and archts., 7016 Euclid Ave., Cleveland, O., and takes bids about Mar. 1, superstructure 1 story, 70,000 seating capacity, rein.-con. stadium. Noted Aug. 19.

Subways—Detroit, Mich.—Rapid Transit Comn., 4612 Woodward Ave., making plans constructing Woodward Ave. and Grand River-Gratiot Subway Lines, incl. double track subways below street levels, stations, etc. $92,211,100. J. P. Hallihan, c/o owner, engr.

Fish Hatchery, Bath Houses, etc.—Bennington, Kan.—Forestry, Fish & Game Comn. of Kansas, Pratt, making preliminary plans fish hatchery, incl. 135 acre lake, 35,000 cu.yd. earth fill dam, warden's residence, bath houses, bathing beach, sewerage system, etc., here. M. A. Wilson, Pratt, engr.

Hydro-Electric Power Plant—Missouri—Kansas City Power & Light Co., 14th St. and Grand Ave., Kansas City, plans hydro-electric power plant in southern Missouri. $20,000,000. Private plans.

Buttress Wall — Kansas City, Mo. — Liberty Memorial Assn., R. A. Long Bldg., making plans rein.-con. or stone buttress-wall around memorial. H. Van Buren Magonile, c/o owner, archts.

Golf Course—St. Louis, Mo.—See "Buildings—Commercial."

Gas Line — Galveston, Tex. — Galveston Gas Co., c/o E. G. Lege, asst. mgr., making plans extending mains in outlaying new additions, etc. $30,000. Private plans.

Pipe Line, etc. — Midland, Tex. — Gulf Production Co., controlled by Gulf Oil Corp. of Pennsylvania, Frick Bldg., Pittsburgh, Pa., purchased 320 acre tank farm and car rack site near here, and plans 50 mi. pipeline radiating from fields, also pumping station, incl. machinery. $400,000.

Land Development—San Benito, Tex.—A. and F. Jones, J. M. Parker and associates, c/o J. A. Graham, San Benito, purchased 12,521 acre site and making plans town site, incl. canals for irrigation purposes, paving, sewers, etc., at Laguna Madre, near here. $1,000,000. Dixie Development Co., c/o owner in charge of development. Hare & Hare, Huntzinger Bldg., Kansas City, Mo., engrs.

Land Development—San Benito, Tex.—H. C. Tyrell, c/o J. A. Graham, San Benito, purchased 7,000 acre site and making plans developing same into canals for irrigation purposes and constructing roads, etc., at Laguna Madre, near here. $350,000. Private plans. Development under supervision Bayside Development Co., c/o owner.

Natural Gas Distributing System — Temple, Tex. — F. L. Denison, c/o C. M. Campbell, et al, plans natural gas distributing system. $35,000. Private plans.

Gas Pipe—Seminole, Okla.—Empire Gas & Fuel Co., Bartlesville, made plans 6 mi. 16 in. gas pipe from Seminole Field to connection with trunk line near here. $75,000. M. E. Michaelson, Bartlesville, engr.

Wharf, etc. — Olympia, Wash. — Port Comn., Chambers Bldg., making plans 62n ft. timber wharf, and 800 ft. plank roadway. To exceed $25,000. O. G. Murray, Olympia, engr.

Lighting System — Alhambra, Calif. — Plans ornamental lighting system on portions Primrose and Montezuma Sts., etc. To exceed $25,000. H. E. Blake, city engr.

Lighting System—Burbank, Calif.—Plans ornamental lighting system in various sections. $50,000. T. R. Mini, city engr.

Lighting System—La Mesa, Calif.—See "Streets and Roads."

Lighting System—Los Angeles, Calif.—Plans ornamental lighting system on Stone Canyon Rd., etc. Bel-Air Dist. $25,000 or more.

Lighting System—Oceanside, Calif.—see "Streets and Roads."

Lighting System—San Bernardino, Calif.—Plans lighting system. $25,000.

Wharf—Cap de la Madeleine, Que.—Pub. Wks., Ottawa, Ont., plans landing pier in Eastern Branch St. Maurice River, here. $25,000. K. M. Cameron, 249 1st Ave., Ottawa, Ont., engr.

Amusement Park—Pelee Island, Ont.—Syndicate, c/o W. H. Evers Eng. Co., Engineers Bldg., Cleveland, O., plans 100 acre amusement park, incl. bathing beach, amusement devices and 2,500 home sites, $600,000.

Greenhouse—Ottawa, Ont.—Secy. Dept. Pub. Wks., soon takes bids greenhouse for Dominion Govt. $27,000. T. W. Fuller, 399 MacLaren St., engr.

Grain Dryer Plant—Port Arthur, Ont.—Canadian National Ry., H. O. McGill St., Montreal, Que., T. T. Irving, ch. engr., soon takes bids grain dryer plant, rein.-con. incl. blowers and drying equipment, here. $100,000.

Grain Elevator — Port Arthur, Ont. — Northern Grain Co., 300 Grain Exch. Bldg., plans 2,000,000 bushel grain elevator. $1,000,000.

Hydro Electric Development—Campbell River, B. C.—See "Buildings—Industrial."

Bids Desired

Coal Pocket—Lowell, Mass.—See "Contracts Awarded."

Culvert—Brooklyn, N. Y.—Mar. 1, by Park Bd., F. D. Gallatin, pres., Arsenal Bldg., Central Park, New York City, con-

Unclassified (Continued)

structing c.i. pipe culvert with concrete end and wing walls at Coney Island Creek, Ocean Parkway, here.

Pier—Brooklyn, N. Y.—Mar. 3, by A. Goldman, comr. Plant & Structures, Municipal Bldg., New York City, recreation pier at Atlantic Ave. Ferry Terminal, here.

Exit Facilities—Buffalo, N. Y.—Mar. 2, by Comr. Mental Hygiene, Dept. Mental Hygiene, Capitol, Albany, constructing exit facilities and fire stops, etc. Buffalo State Hospital, here; adv. E. N.-R. Feb. 24.

Playground—Long Island City, N. Y.—Mar. 3, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, constructing playground adjoining Bryant High School, here, for Bd. Educ., 500 Park Ave., New York City.

Refrigerating Plant—Middletown, N. Y.—Mar. 23, by Dept. Mental Hygiene, Capitol, Albany, refrigerating plant, at Middletown State Hospital, here; adv. E. N.-R. Feb. 24. Noted Dec. 6.

Refrigeration Plant—New York, N. Y.—Mar. 10, by Supt. Standards & Purchase, Executive Dept., Capitol, Albany, refrigeration unit New York House of Refuge, Randall's Island, here; adv. E. N.-R. Feb. 24.

Fender Racks—New York, N. Y.—Feb. 28, by New York State Bridge & Tunnel Comn. and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., fender racks in North River at New York River Shafts between Piers New 34 and 35. G. R. Dyer, chn. former, and T. Boettger, chn. latter commissions.

Parks—New York, N. Y.—Mar. 1, by Park Bd., F. D. Gallatin, pres., Arsenal Bldg., Central Park, constructing and improving park lands along Grand Boulevard and Concourse betwen 161st and 164th Sts.

Subway—New York, N. Y.—Mar. 4, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., constructing Sect. 6-C, Route 7, rapid transit railroad, along and under Bways. from West 173rd to 177th Sts.

Exit Facilities—Poughkeepsie, N. Y.—Mar. 16, by Comr. Mental Hygiene, Dept. Mental Hygiene, Capitol, Albany, exit facilities and fire stops at Hudson River State Hospital, here; adv. E. N.-R. Feb. 24.

Exit Facilities—Ogdensburg, N. Y.—Mar. 16, by Comr. Mental Hygiene, Dept. Mental Hygiene, Albany, constructing doors, etc. (exit facilities and fire stops) at St. Lawrence State Hospital, here; adv. E. N.-R. Feb. 24.

Switches and Crossings—Phila., Pa.—Feb. 28, by C. E. Walsh, purch. agt., Pennsylvania R.R. Co., 17th and Filbert Sts., switches and crossings, Contr. 26-1927. A. C. Shand, Broad St. Sta., ch. engr. Railroad.

Transit Shed—Mobile, Ala.—Mar. 15, by State Docks Comn., 1 story, 120 x 350 ft., steel and concrete transit shed, on Pier 1. $200,000.

Baffle Walls—Montezuma, Ia.—Mar. 1, by Auditor Poweshelk Co., 40 baffle walls on Federal Aid Project 41, and 247 on Federal Aid Project 247. C. E. Olson, Montezuma, co. engr.

Telephone Aerial and Cables—Missouri—See "Contracts Awarded."

Bids Received

Station Finish — Brooklyn, N. Y. — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, Feb. 18, station finish 5 stations on 14th St.-Eastern Rapid Transit R.R., from N. A. Deiser, 296 Fenimore St., $560,000. Noted Feb. 10.

Comfort Station—New York, N. Y.—Park Bd., Dept. Parks, Arsenal Bldg., Central Park, Feb. 15, shelter and comfort station, in Carl Schurz Park, north of East 84th St., from J. H. Goldblatt, 435 East 166th St., $27,333. Noted Feb. 10.

Fire Alarm System—New York, N. Y.—J. J. Dorman, fire comr. Municipal Bldg., Feb. 15, portion underground fire alarm system, in section bounded by 180th St., Sedgewick Ave., Fordham Rd. and Southern Blvd., from W. F. Kenny Co., 44 East 23rd St., Item 1, $7,584; and from James Sudgen Co., 7 West 44th St., Item 2, $10,962; also portion underground fire alarm system (feeder cables 3 and 4), from Standard Underground Cable Co., 50 Church St., $32,281. Noted Feb. 10.

Contracts Awarded

Dry Kiln—Dorchester, (Boston P. O.)—**Mass.**—See "Buildings-Industrial."

Coal Pocket—Lowell, Mass.—Boott Cotton Mills, Amory St., will alter and construct coal pocket addition, Amory St. $40,000. Work will be done by separate contracts. Private plans.

Bulkhead—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., bulkhead at 207th Street Yard, along westerly side Harlem River, to Stillman-Delehanty-Farris Co., 1 Exchange Pl., Jersey City, N. J., $429,273. Noted Feb. 17.

Boardwalk — Wildwood, N. J. — City Comn., 44 ft. boardwalk along ocean front, to F. W. Schwiers, 90 West St., New York City, $190,942. Noted Jan. 13.

Ice Breaker, etc.—South Dakota—State Hy. Comn., Pierre, concrete ice breaker at Forest City Missouri River Bridge, to Pioneer Bridge Co., Mitchell, $58,496. Noted Jan. 29.

Telephone Aerial and Cable—Missouri—Southwestern Bell Telephone Co., 11th and Pine Sts., St. Louis, will install aerial and underground cables in University City, vicinity adjacent to western city limits of St. Louis in Cabany-Parkview Dists., by day labor. $100,000. Private plans.

Street Lighting System—St. Louis, Mo.—See "Streets and Roads."

Lighting System—Los Angeles, Calif.—Ornamental lighting system on Casitas Ave. between Kerr St. and Glendale Blvd., to Walker & Martin, 402 West Wilshire Blvd., Fullerton, $36,826. Noted Jan. 27.

Materials

Proposed Work

Pipe — Cleveland, O. — Knollwood Cemetery Co., O. T. Smith, 2010 East 102nd St., soon takes bids 15,000 ft. 4 in. tile sewer pipe, also slag and asphalt surface paving materials.

Road Oil — Minneapolis, Minn. — F. S. Gram, city purch. agt., plans purchasing 2,500,000 gal. road oil. N. W. Elsberg, city engr.

Bids Desired

Bituminous Material, etc.—Albany, N. Y.—Mar. 11, by F. R. Utter, supt. Standards & Purchases, Bituminous Material A and T, calcium chloride, wax oil and mixed asphalt concrete for use by State Dept. Pub. Wks., Div. Highways; adv. E. N.-R. Feb. 24.

Lime—Long Island City, N. Y.—Mar. 3, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 500 net tons lime to various disposal plants.

Fuel Oil—New York, N. Y.—Mar. 2, by J. Miller, pres. Manhattan Boro, Municipal Bldg., 1,100,000 gal. fuel oil.

Pump and Motor—Sea Girt, N. J.—Mar. 15, by Mayor and Boro Council, C. A. Bond, Jr., clk., 1,000 gal. pump direct connected to 50 hp. power motor; adv. E. N.-R. Feb. 24.

Brick, etc.—Akron, O.—Mar. 3, by Purchasing Agent, 600,000 paving brick, and 550 tons asphalt filler.

Chlorine—Akron, O.—Mar. 4, by Purchasing Agent, 25,000 lb. liquid chlorine.

Special Castings—Akron, O.—Mar. 7, by Purchasing Agent, 75 tons 6- to 16-in., and 5 tons 4 in. special castings, for Water Dept.

Pig Lead, Pipe, etc.—Toledo, O.—Mar. 1, by R. B. Atkinson, comr. Purchases & Supplies, 75 tons pig lead, one hundred tons ¾ in. and fifteen tons 1 in. lead pipe, 1,000 c.i. curb boxes, 2 tons wiping solder, 2,500 caulking hemp, etc.

Crushed Stone—Detroit, Mich.—Mar. 4, by Dept. Street Rys., St. Jean St. and Shoemaker Ave., W. H. Breiden, purch. agt., 15,000 tons of Class "A" 2- to 3-in. limestone, 10,000 tons of Class "D" limestone, and 37,500 tons of Class "E" limestone.

Steel Rails—Detroit, Mich.—Mar. 3, by Dept. Street Rys., St. Jean St., and Shoemaker Ave., W. H. Breiden, purch. agt., 150 or 300 tons 80 lb. A. S. C. E. Rail, 625 or 1,250 tons of 100 lb., and 175 or 350 tons 140 lb. 7 in. girder rail; 500 or 1,000 tons 93 lb. 7 in. rail.

Fire Alarm, Cable, etc.—Chicago, Ill.—Mar. 2, by City, Room 614, City Hall, 2 and 4 conductor, 16 B and S. G. rubber insulated lead covered fire alarm cable; 110 pair 19 B and S. G. paper insulated lead covered fire alarm cable, and other cable and wire; police patrol box inner cases and movements; fire alarm signal box inner cases and movements and outer cases and doors; combination printing registers; various kinds relays, pole chargers; B and D tubular steel strain poles; malleable iron lamp brackets; residential c.i. lamp posts and heads; 2 and 4 pin malleable iron cross arms; c.i. pole tops; porcelain insulators; globes; lamp fixtures, etc. J. T. Miller, comr. Gas & Electricity.

Fuel Oil and Asphalt Sand—Chicago, Ill.—Feb. 28, by City, Room 406, City Hall, fuel oil and asphalt sand required by Bureau Streets during 1927, by rail and truck, at Municipal Asphalt plants. A. A. Sprague, comr. Pub. Wks.

Road Oil—Morrison, Ill.—Whiteside Co. in market for 1 or more cars road oil. E. O. Hills, Court House, supt. highways.

Gasoline, Kerosene, Grease, etc.—Iowa—Mar. 15, by State Hy. Comn., Ames, gasoline, kerosene, grease, etc. required during Apr. 1, 1927 to Apr. 1, 1928; adv. E. N.-R. Feb. 24.

Lumber, etc.—Bedford, Ia.—Mar. 8, at office Auditor Pocahontas Co., 118,944 ft. fir bridge lumber, 1 car red cedar and 1 car cypress piling, 3,148 ft. culvert pipe, 20,000 ft. slat snow fence and 2,000 steel fence posts. A. L. Thornton, Pocahontas, co. engr.

Paving Materials—St. Paul, Minn.—Mar. 1, by A. E. Eggert, city purch. agt., 350 tons asphalt filler and 20 tons pitch filler, for Dept. Pub. Wks.; also 3,000 sq.yd. 3.5 in. creosoted wood paving blocks, for Bureau of Bridges. G. M. Shepard, city engr.

Pipe—St. Paul, Minn.—Mar. 1, by A. E. Eggert, city purch. agt., 1,500 lin.ft. 6 in. black pipe for Dept. Pub. Wks. G. M. Shepard, city engr.

Contracts Awarded

Quicklime—Brooklyn, N. Y.—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Feb. 9, 30,000 tons quicklime for sewage disposal systems, to R. Van Skal, 137 East 26th St., New York City, $7,718. Noted Feb. 3.

Ties—Brooklyn, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, supply untreated ties for use in construction part Coney Island Yards, for Culver Line, to A. R. Sax Lumber Co., 166 West 32nd St., New York City, $16,414. Noted Feb. 17.

Broken Stone—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 30,000 tons broken stone, to Peace Bros., Inc., 57 North Lawrence St., Flushing, $81,300. Noted Feb. 17.

Tar, etc.—New York, N. Y.—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., 300,000 gal. tar for cold application and 150,000 gal. tar, hot application, to Barrett Co., 44 Rector St., $31,350 and $23,100 respectively; 850,000 gal. asphalt road oil to Texas Co., 17 Battery Pl., $60,010; 3,500 cu.yd. macadam stone and 25,000 tons steam cinders, to Highbridge Supply Co., Harlem River and 169th St., $27,450 and $25,750 respectively; 1,500 cu.yd. paving sand, to J. Tino & Son, 18th St. and East River, $2,250; 5,000 bags portland cement, to J. A. McCarthy, 551 Exterior St., $3,224; 9,000 cu.yd. sand grit, to Lenox Sand & Gravel Co., Harlem River and 157th St., $13,050; 1,000 tons asphaltic cement, to Warner Quinlan Co., 26 Beaver St., $23,800; 75 tons pitch joint filler, to F. J. Lewis Mfg. Co., 300 Doremus Ave., Newark, N. J., $1,875; 7,500 cu.yd. binder stone and 9,000 tons inorganic dust, to New York Trap Rock Co., 250 Park Ave., $15,750 and $6,165 respectively; also 9,000 cu. yd. asphalt sand, to Ames & Carrol Co., 3457 Kingsbridge Rd., $9,000. Grand total $242,774. Noted Feb. 17.

Pebbles, etc.—Mt. Holly, N. J.—Freeholders Burlington Co., washed pebbles, to Natl. Supply Co., Mt. Holly, at $0.65 per ton, total $4,225; slag, to Phila. Slag Co., Pennsylvania Bldg., Phila., Pa., $1.25, $10,000; cut back asphalt, to Headley Good Roads Co., Franklin Trust Bldg., Phila., Pa., $0.18, $7,150; broken stone, to Delaware River Quarry & Constr. Co., Lambertville, $19,311; lignin binder, to M. R. Young, Fisher Pl., Trenton, $0.134, $46,700; slow curing oil, to Asphalt Serv. Co., 69 Paterson St., New Brunswick, $0.1089, $27,225; also cold water gas and hot water gas tars to T. Tobish, Mechanic Bldg., Trenton, $0.154, $38,500 and $0.164, $14,760 respectively. Grand total $129,371.

Granite Paving Blocks—Detroit, Mich.—Dept. Pub. Wks., City Hall, 3,000 sq.yd. 5 in. granite paving blocks, f.o.b. Detroit, to Wisconsin Granite Co., 105 West Monroe St., Chicago, Ill., at $3 per sq.yd.

Cement—Mt. Clements, Mich.—Macomb Co. Rd. Office, 210,000 bbl. cement, to New Egyptian Cement Co., Port Huron, Huron Portland Cement Co., foot of Riopelle St., Detroit, and Aetna Cement Co., Fenton, at $2.59 per bbl. less 20 cents discount per bbl. each. Noted Jan. 20.

Bridge Lumber—Denison, Ia.—Crawford Co., 409,520 ft. full sawed bridge lumber, 23,075 ft. dimension lumber, 24,075 ft. treated yellow pine piling, and 3,410 ft. red cedar piling, to Nebraska Bridge Supply & Lumber Co., 448 Peters Bldg., Omaha, Neb., $32,021. Noted Jan. 27.

See proposal advertising on page 138

Constr. News page 127

Engineering News-Record Unit Prices

WATER-WORKS—ELDORADO, KAN.

Bids were opened by City, Jan. 6, (lowest four and highest), for water-works improvements, from (A) Stimson Construction Co., Topeka, (awarded contract); (B) Carrothers & Nelson, Kansas City, Mo.; (C) Hall-Hardeman Construction Co., Alton; (D) McKelvey Construction Co., St. Louis, Mo.; (E) Asplund Construction Co., Tecumseh, Neb. The unit bids are as follows:

SECTION I	A	B	C	D	E
Excavation spillway, foundation, channel, intake foundation, and core wall					
25,544 cu.yd. earth	$0.35	$0.40	$0.32	$0.35	$0.45
1,000 cu.yd. loose rock	1.00	1.80	.40	.75	2.00
4,210 cu.yd. solid rock for fill	1.50	1.80	2.00	2.50	3.00
Solid rock for contractors use	1.50	1.80	1.00	2.50	3.00
83,900 cu.yd. earth borrow	.30	.37	.38	.35	.40
13,950 cu.yd. clay core wall	.40	.39	.45	.35	.50
1,000 cu.yd. overhaul	.03	.06	.05	.03½	.03
100 M. ft.b.m. sheet piling	80.00	110.00	85.00	105.00	100.00
11,860 sq.yd. rip rap		1.50		3.00	2.50
11,860 sq.yd. reinf. pav. conc.	1.75	2.00	2.50	2.00	2.60
224 cu.yd. conc. curb, and toe wall	14.00	22.00	18.50	22.00	20.00
Total	$78,826	$95,787	$97,498	$93,646	$112,006
SECTION II—Concrete Structure					
323 cu.yd. spillway, cutoff and core	$15.00	$15.00	$15.50	$19.10	$20.00
31 cu.yd. reinf. retain. walls	25.00	24.00	28.00	22.00	32.00
0 flow line cutoff collars	20.00	21.00	18.00	30.00	25.00
Intake (lump sum)	3,200.00				
Total	$26,520	$26,799	$26,955	$33,451	$33,702
SECTION III—Lake Area					
Clearing and grubbing (lump sum)	$7,000	$9,000	$10,000	$10,000	$17,500
2,300 rods fencing	3.30	1.25	2.40	2.10	1.20
Total	$14,590	$11,875	$15,520	$14,830	$20,260
SECTION IV—24 in. flow line					
22,325 lin.ft. c.i. pipe	$6.00	$5.67	$5.65		$6.30
21,509 lin.ft. conc. pipe		7.00	5.80	$6.00	6.75
816 lin.ft. c. i. pipe		115.00	6.35	6.30	
2 air vent manholes	170.00	230.00	250.00	275.00	300.00
1 valve manhole near dam	380.00	360.00	750.00	275.00	500.00
1 blow off manhole	550.00	630.00	800.00	675.00	700.00
20 bulkhead and pipe encas.	25.00	14.00	18.00	30.00	25.00
Total	$135,720	$128,083 c. i. $157,375 con.	$128,546	$136,050	$142,747 $142,948
SECTION V—Plant Improvements					
1 float control valve MH.	$1,400	$3,790	$4,250	$1,700	$4,500
1 aerator	1,600	850	950	1,300	2,000
4,160 cu.yd. earth, excav. for clear well	1.25	.75	.60	1.00	.90
Loose rock	2.00	3.00	1.50	1.50	2.00
Solid rock	5.00	6.00	2.50	5.00	5.00
1 clear well	11,800	12,405	15,500	12,146	15,000
1 suction pipe header & MH.	1,050	2,130	2,000	1,600	2,200
Total	$21,050	$22,295	$25,196	$20,906	$27,444
SECTION VI—Driveway, Bridge and Guard Fence					
106 cu.yd. bridge pier conc.	$25.00	$17.00	$26.40	$21.00	$20.00
45 cu.yd. bank abutment and wings	25.00	24.00	28.00	22.00	40.00
119 cu.yd. bridge beams and deck	25.00	34.00	34.40	22.00	50.00
380 lin.ft. bridge railing	250.00	1,300.00	760.00	152.00	1,750.00
3,216 lin.ft. guard fence on fill	.75	.60	.80	.42	.80
2,150 sq.yd. macadam paving	1.25	1.00	.75	1.60	1.00
Total	$12,099	$12,308	$13,097	$10,777	$16,843
Grand total	$288,805	$297,146	$306,812	$309,660	$352,702

ROAD WORK—KANSAS

Bids were opened by State Highway Commission, Topeka, Dec. 28, for constructing 8.035 mi. Federal Aid Project No. 126, Sect. B, Labette Co., from (A) T. L. Thogmartin & Sons, Ft. Scott (awarded contract); (B) W. S. Fisher, Oswego; (C) Craville & Hamblin, Muskogee, Okla.; (D) A. G. Sherwood, Independence, Kan. The unit bids are as follows:

	A	B	C	D
11,250 cu.yd. earth excavation	$0.50	$0.50	$0.50	$0.75
76,867.0 sq.yd. bit. macadam	1.41	1.53	1.69	2.15
4,670.0 lin.ft. cable guard rail, R.C. posts	1.80	1.85	1.50	1.90
192,168.0 gal. bitumen in place	1.15	1.155	1.155	1.16
212 blind drains in place	1.80	1.60	1.50	1.60
Extended totals	$146,738	$157,114	$172,639	$208,524

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DAM—SAN DIEGO, CALIF.

Bids were opened by W. H. Cameron, City Purchasing Agent, (lowest four and highest), for constructing Sutherland Dam, multiple arch type, from (A) Edwards, Wildey & Dixon, Union Bldg., (awarded contract); (B) Claude Fisher; (C) Allied Contractors, Inc.; (D) Doran & Boyd; (E) Ambursen Dam Co. The unit bids are as follows:

	A	B	C	D	E
5,500 cu.yd. class A excavation	$3.00	$3.00	$2.50	$1.00	$10.00
200 cu.yd. class B excavation	3.57	6.00	4.50	2.00	10.00
12,700 cu.yd. class C excavation	5.77	4.00	4.75	3.00	10.00
3,600 cu.yd. class D excavation	6.12	6.00	7.56	5.00	10.00
4,400 ft. drill holes for grouting	2.00	2.35	2.00	2.00	1.50
5,000 ft. 2-in. pipe for grouting	.27	.25	.40	1.00	.00
66,200 bbl. cement	3.66	3.50	3.40	3.74	3.30
10,500 cu.yd. class A concrete	11.00	15.00	11.50	12.00	21.70
40,000 cu.yd. class B concrete	6.25	7.50	9.80	9.75	11.00
100 cu.yd. class C concrete	6.00	11.50	10.00	9.75	23.00
3,900 ft. 2-in. hand rail	.55	.80	.35	1.25	.70
1,130,000 lb. reinf. steel and trash racks	.042	.047	.036	.045	.035
2,250 cu.yd. backfill	1.50	1.50	1.00	1.00	1.50
Total	$784,047	$851,645	$896,116	$898,338	$1,199,702
Time of completion, including roadway, spillway and all appurtenances	450 days	540 days Holidays included	450 days	540 days	360 days
OUTLET WORKS					
45 lin.ft. 30-in. cl. B c. i. pipe	$23.55	$35.00	$50.00	$55.55	$40.00
2 30-in. spur geared wedge gate valves	920.00	700.00	1,000	900.00	1,200.00
2 24-in. balanced valves	5,379	6,000	3,000	5,000	5,500
Total	$13,658	$14,975	$10,250	$14,300	$15,200
SLUICING WORK					
100 lin.ft. 24-in. cl. B c. i. pipe	$16.44	$23.00	$40.00	$40.00	$28.00
4 24-in. spur geared wedge gate valves	495.00	375.00	700.00	1,050	700.00
Total	$3,624	$3,800	$6,800	$8,200	$5,600
SPILLWAY					
2,800 cu.yd. class A excavation	$1.00	$0.80	$0.90	$1.00	$1.00
6,600 cu.yd. class C excavation	2.00	2.00	1.85	2.00	2.00
315 cu.yd. class A concrete	11.00	8.00	11.50	12.00	11.00
222 cu.yd. class B concrete	7.00	8.00	10.00	11.50	11.00
700 lb. reinforcing steel	.042	.06	.05	.045	.06
13,000 sq.ft. reinforcing mesh	.057	.065	.04	.06	.06
Total	$21,789	$20,623	$21,258	$23,145	$22,729
ROAD					
12,000 cu.yd. class A excavation	$0.75	$0.55	$0.50	$0.50	$2.50
28,000 cu.yd. class C excavation	1.75	1.50	1.10	1.50	1.00
25 cu.yd. rubble in headwalls	12.00	10.00	15.00	4.00	10.00
240 lin.ft. 18-in. corrugated culverts	2.30	3.00	2.50	2.80	2.50
240 lin.ft. 24-in. corrugated culverts	3.05	4.25	3.25	3.68	3.00
144 lin.ft. 36-in. corrugated culverts	5.35	7.00	4.75	5.64	5.00
240 lin.ft. 18-in. cement culverts	2.30	3.00	3.00	2.40	2.00
240 lin.ft. 24-in. cement culverts	3.05	4.50	3.90	2.94	3.00
144 lin.ft. 36-in. cement culverts	5.35	9.25	6.00	5.60	7.00
Total with corrugated culverts	$60,354	$51,598	$39,239	$50,467	$60,290
Total with cement culverts	60,354	51,982	39,695	50,188	60,438
Premium for bond	13,270	14,172	14,641		19,586
Grand total—currugated culverts	896,743	956,813	988,173	994,450	1,323,110
Grand total—cement culverts	896,743	957,197	988,629	994,170	1,323,278

SEWER—DETROIT, MICH.

Bids were opened by Department of Public Works, Dec. 29, for constructing Witt Ave. Arm of West End sewer, from (A) Thomas D. Nolan, Plymouth & P. M. R. R., (awarded contract); (B) Jeynes & Son; (C) Ray D. Baker; (D) Ianni Construction Co. The unit bids are as follows:

	A	B	C	D
509 ft. 9 ft. 3 in. cyl. sewer	$71.00	$90.00	$100.00	$153.00
9 ft. 7 ft. 9 in. cyl. sewer	75.00	85.00	100.00	112.50
500 ft. 6 ft. 6 in. cyl. sewer	40.50	58.00	60.00	59.00
1,471 ft. 6 ft. 6 in. cyl. sewer	40.50	53.00	60.00	53.00
816 ft. 6 ft. cyl. sewer	38.00	50.00	55.00	49.00
71 ft. 6 ft. cyl. connections	38.00	60.00	60.00	65.00
1,045 ft. 3 ft. 6 in. cyl. sewer	22.50	29.00	40.00	35.00
19.5 ft. 3 ft. 6 in. connection and manhole	22.50	1,200.00	50.00	10,000.00
Bellmouth	4,000.00	4,000.00	3,500.00	15,000.00
7 manholes	200.00	200.00	100.00	2,000.00
4 drop manholes	300.00	450.00	100.00	3,000.00
Extended totals	$180,897	$237,303	$266,575	$313,527

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6. Dee Handle—supplied in AMES Split Dee, I-D-L, Sturd-E, Wright Metal or Wooden Dee.
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Engineering News-Record Unit Prices

ROAD WORK—MASSACHUSETTS

Bids were opened by Department of Public Works, Division of Highways, Boston, Dec. 14, (lowest 3) for constructing portion of Southern Route, Hancock to Washington Sts., Quincy, from (A) Paul Caputo, Boston, (awarded contract); (B) J. H. Fannon, Somerville; (C) Coleman Bros., Inc., Boston. The unit bids are as follows:

	A	B	C
22,400 cu.yd. roadway earth excavation	$0.80	$0.80	$0.75
60 cu.yd. dredge excavation	5.00	4.00	3.00
19 cu.yd. plain concrete masonry	20.00	25.00	18.00
1 cu.yd. reinforced concrete masonry	50.00	35.00	40.00
6,940 cu.yd. cement concrete surfacing	10.15	9.18	10.00
4,050 tons broken stone	3.20	3.55	3.25
41,300 gals. bituminous material asphalt	.13	.13	.14
630 lin.ft. 10-in. pipe vit. clay	1.00	1.86	1.20
5,320 lin.ft. 12-in. pipe vit. clay	1.20	1.85	1.30
200 lin.ft. 15-in. pipe vit. clay	1.50	2.25	1.50
750 lin.ft. 12-in. pipe rein. conc	1.75	2.25	2.00
740 lin.ft. 15-in. pipe rein. conc.	2.50	3.00	2.50
250 lin.ft. fencing	.80	.70	.70
3 bounds	5.00	5.00	5.00
27 catch basins	75.00	85.00	70.00
307,400 lb. steel reinforcement	.025	.03	.03
16 curb inlets	25.00	30.00	20.00
2 removal trees	25.00	15.25	20.00
25,300 cu.yd. gravel borrow	1.00	1.00	1.10
100 cu.yd. sand borrow	1.50	1.75	2.00
2,540 cu.yd. shipping gravel pits	.20	.20	.20
23 manholes	75.00	85.00	70.00
8 removal and reset bounds	6.00	6.00	6.00
12,400 cu.ft. ref. and trim. shoulders	.05	.10	.05
20 cu.yd. lumnite cem. conc. surf.	18.00	17.00	17.00
1 town line post rem. and reset	10.00	15.00	10.00
Extended totals	$156,993	$159,296	$159,578

BRIDGE—FLORIDA

Bids were opened by State Road Department, Tallahassee, Jan. 26, (lowest four and highest) for constructing bridge between Green Cove Springs and Jax, Project No. 664, Clay Co., from (A) Concrete Steel Bridge Co., Miami Beach (awarded contract); (B) Small & Triplett, Jacksonville; (C) Atlantic Bridge Co., Greensboro, N. C.; (D) C. G. Kershaw Contracting Co., Birmingham, Ala.; (E) Raymond Concrete Pile Co., New York City. The unit bids are as follows:

	A	B	C	D	E
458 cu.yd. class "A" concrete seal	$35.00	$38.00	$45.20	$31.00	$66.00
706 cu.yd. class "A" conc. substructure	28.00	30.00	27.95	32.00	30.80
1,665.2 cu.yd. class "A" conc. superstructure	26.00	31.00	30.10	31.00	42.50
2,865 lin.ft. concrete handrail	4.00	2.00	3.44	4.00	4.90
670,000 lb. reinforcing steel	.06	.05	.0509	.06	.07
165,000 lb. structural steel	.08	.09	0.1010	.08	.095
24,000 lb. maceinery castings	.25	.25	0.335	.35	.28
385 M.ft., B.M. treated structural timber	140.00	110.00	146.20	100.00	248.50
5,000 lin.ft. treated fender piling	1.20	1.05	0.96	0.95	1.81
4,440 lin.ft. untreated piling	1.00	0.80	0.75	0.50	0.885
10,225 lin.ft. pre-cast conc. piling	4.00	4.50	4.50	5.00	3.10
250 lin.ft. untreated piling	2.00	1.50	11.25	1.00	3.00
100 cu.yd. sand cement rip rap	17.00	11.00	20.05	15.00	12.00
3,530 sq.yd. surfacing for bridge floors	2.50	2.25	2.16	2.30	1.80
Extended totals	$217,708	$218,752	$231,434	$233,485	$268,625

PAVING—LYONS, NEB.

Bids were opened by City, Jan. 4, (lowest three) for paving and installing sewers, from (A) John Kerns Co., Omaha, (awarded contract); (B) Roberts Construction Co., Lincoln; (C) Abel Construction Co., Lincoln. The unit bids are as follows:

	A	B	C
21,150 yd. brick 2½ in.	$2.73	$2.80	$2.80
21,150 cu.yd. concrete	2.05	1.99	1.99
21,150 cu.yd. sheet asphalt	2.22	2.29	
335 ft. 6x20 in. curb	.73	.78	.76
8,610 ft. curb and gutter	.65	.65	.65
1,206 ft. headers	.65	.44	.35
10,200 cu.yd. grading	.34	.35	.30
1,630 ft. 12 in. sewer	.88	.90	1.00
780 ft. 15 in. sewer	1.20	1.15	1.28
410 ft. 18 in. sewer	1.68	1.40	1.62
1,100 ft. 21 in. sewer	2.24	2.01	2.20
1,060 ft. 24 in. sewer	2.88	2.60	2.82
11 manholes	60.00	70.00	75.00
22 A inlets	18.00	18.50	22.00
20 C inlets	10.00	14.00	13.00
1 outlet protection	90.00	90.00	80.00
Extended totals (brick)	$80,206*	$81,918	$82,132
Extended totals (concrete)	$65,824	$64,786	$65,001

*Awarded contract.

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ROAD WORK—KENTUCKY

Bids were opened by State Highway Department, Frankfort, Jan. 7, for grading and draining 18.705 mi. Hazard-Hyden Rd., S. P. 28 A-B, Perry and Leslie Counties, from (A) Ellis, Smeathers & Brantley, Owensboro, (awarded contract); (B) Codell Construction Co., Winchester; (C) Eastern Construction Co., Harlan. The unit bids are as follows:

	A	B	C
148.02 acres clearing and grubbing	$20.00	$25.00	$35.35
210,213 cu.yd. excavation—common	.37	.39	.50
95,593 cu.yd. excavation—solid rock	.75	.81	.95
20,163 cu.yd. excav.—common borrow	.37	.39	.50
1,301 cu.yd. excav.—solid rock borrow	.75	.81	1.00
3,457 cu.yd. excavation for structures	1.00	1.00	1.00
820 cu.yd. excav. foundation—dry common	1.00	1.00	1.00
390 cu.yd. excav. foundation—wet common	3.00	3.65	2.00
110 cu.yd. excav. foundation—dry rock	3.00	1.50	2.00
160 cu.yd. excav. foundation—wet rock	3.00	4.30	3.00
20,000 cu.yd. removing unclassified slides	.37	.50	.45
29,241 yd.sta. overhaul	.04	.035	.03
986 100 ft. sta. final dressing	3.00	4.25	3.00
50 lin.ft. relaid pipe	.10	.50	1.00
100 lin.ft. removing pipe	.10	.50	.70
300 lin.ft. 12 in. cl. A. cor. metal pipe	1.75	1.85	1.25
160 lin.ft. 18 in.cl. A. cor. metal pipe	2.50	2.80	1.50
80 lin.ft. 24 in. cl A. cor. metal pipe	3.50	3.70	2.75
902.1 cu.yd. concrete—class A	25.00	21.00	25.00
51.2 cu.yd. concrete—class B	22.00	21.00	24.00
33.1 cu.yd. concrete—class D	60.00	66.00	75.00
724.4 cu.yd. concrete—class F	25.00	24.50	27.50
3024.29 cu.yd. first class stone masonry	12.00	11.00	12.50
1356.70 cu.yd. culvert stone masonry	12.00	10.50	11.00
971.5 sq.yd. stone paving	2.50	2.80	2.50
826 cu.yd. riprap	2.00	2.50	2.00
259,290 lb. reinf. steel	.06	.07	.06
1,290 lb. bronze expansion plates	.60	.50	.45
Sub-total	$296,633.59	$306,217.46	$351,212.86
5,652 lin.ft. 18 in. first class pipe	3.00	3.35	3.90
3,399 lin.ft. 24 in. first class pipe	4.25	4.40	5.50
OR			
5,652 lin.ft. 18 in. cast iron pipe	4.00	3.45	3.90
3,399 lin.ft. 24 in. cast iron pipe	5.50	4.75	5.00
Extended totals using first class pipe	$328,035*	$340,107	$391,950
Extended totals using cast iron pipe	337,936	341,862	390,250

*Awarded contract.

DREDGING—BUFFALO, N. Y.

Bids were opened by City for 200,000 cu.yd. dredging, constructing steel and timber bulkheads, etc., in Park Lake, Delaware Park, from (A) Vincent Schiavi, 57 Choate Ave.; (B) Great Lakes Dredge & Dock Co., Morgan Bldg.; (C) Cleveland Engineering Construction Co., Cleveland; (D) Central Dredging Co., Cleveland; (E) Schaff Co., Buffalo. The unit bids are as follows:

	A	B	C	D	E
200,000 cu.yd. excavation	$0.68	$0.68	$0.86	$0.94	$1.06
2,100 lin.ft. steel and timber bulkheads	46.00	50.00	45.75	44.00	38.00
1,000 lin.ft. wood sheeting	12.00	26.50	20.00	9.85	19.00
Totals	$244,600	$267,500	$288,075	$290,250	$310,800

BRIDGE—KANSAS

Bids were opened by State Highway Commission, Topeka, Jan. 3, for constructing bottom chord arch span bridge and roadway approach, F. A. P. 346, Sect. B, Crawford Co., from (A) Fred Luttjohann, 2053 Kansas St., Topeka, (awarded contract); (B) W. S. Fisher, Oswego; (C) Maxwell Construction Co., Columbus; (D) Independent Construction Co., Pittsburgh. The unit bids are as follows:

	A	B	C	D
540 cu.yd. dry excavation	$1.00	$1.25	$1.50	$1.50
327 cu.yd. wet excavation	4.00	5.00	5.00	6.00
68 cu.yd. rock excavation	8.00	6.00	8.00	8.00
375.9 cu.yd. class "A" concrete	20.00	21.00	21.00	23.00
84.4 cu.yd. class "C" concrete	15.00	15.00	18.00	16.00
12.5 cu.yd. class "D" concrete 1:2:3½	20.00	20.00	21.00	23.00
18.9 cu.yd. class "E" concrete	32.00	35.00	30.00	35.00
63,716 lb. reinf. steel in place	.04	.05	.05	.045
48,000 lb. struc. steel in place	.085	.085	.09	.08
1,318 lb. rockers and plates cast	.12	.15	.10	.15
1,720 lb. cast iron	.12	.12	.10	.12
Extended totals	$19,024	$20,459	$21,041	$21,372
ROADWAY APPROACH 0.914 MILES				
38,852 cu.yd. earth excavation	$0.30	$0.33	$0.30	$0.33
8,060 lin.ft. gd. fc. conc. posts, cable	.75	.80	.65	.65
Extended totals	$17,701	$19,269	$16,895	$18,060